



STATE OF ILLINOIS

DEPARTMENT OF REGISTRATION AND EDUCATION

PETROLEUM INDUSTRY IN ILLINOIS, 1967

Part I. Oil and Gas Developments

Jacob Van Den Berg

Part II. Waterflood Operations

T. F. Lawry

Richard F. Mast

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1968

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PETROLEUM INDUSTRY IN ILLINOIS, 1967

JACOB VAN DEN BERG, T. F. LAWRY
AND RICHARD F. MAST

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PETROLEUM INDUSTRY IN ILLINOIS, 1967

JACOB VAN DEN BERG, T. F. LAWRY
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ABSTRACT

Illinois produced 60,115,000 barrels of crude oil in 1967, down 3 percent from 1966. Approximately 43,934,000 barrels, or 73.1 percent, of this production was from secondary recovery waterflood projects. The price of Illinois crude oil at the wells in 1967 was based on a gravity scale. Through July, the price ranged from \$2.52 per barrel for crude with an API gravity of 20 to 20.9 degrees to \$3.10 for crude with an API gravity of 40 to 44.9 degrees. In August, the price increased five cents per barrel. The value of crude oil produced in Illinois in 1967, based on an average price of \$3.02 per barrel, was \$181,581,000.

In 1967, 1124 new tests for oil and gas were drilled, resulting in 570 oil wells, 1 gas well, and 553 dry holes. In addition, 59 former dry holes were re-entered and completed as producers (58 oil, 1 gas), and 24 former producers were re-entered and completed as oil wells in new pay zones. Of the 1124 new oil and gas tests, 261, or 23.2 percent, were wildcats, of which 19, or 7.3 percent, were completed as producers. There were 148 new service wells drilled; 496 old wells were converted to service wells. Four oil and gas structure tests were drilled. A total of 411 wells were completed in connection with underground storage of natural gas; these included 271 structure tests and 62 new wells and 78 well conversions in existing storage projects.

Five oil fields, 16 extensions to fields, and 27 new pay zones in fields were discovered in 1967, none of which appear to be very significant.

Estimated crude oil reserves declined from 344.4 million barrels at the end of 1966 to 336.8 million barrels at the end of 1967.

Twenty-four underground natural gas storage projects are in operation or are being developed in Illinois. Estimated total ultimate capacity of these reservoirs is about 600 billion cubic feet. Twelve underground mined caverns are used for storage of liquefied petroleum gases, with a total capacity of about 3 million barrels.

Fifty-one new waterfloods were added in 1967. This additional development was offset by 41 abandonments. One project was dropped for lack of data, and 37 waterflood projects were dropped as data were combined with other projects.

Area subjected to fluid injection increased by 11,855 acres in projects initiated or reported for the first time in 1967 and by 13,775 acres in expansion of earlier projects or in additional acreage in multiple pay waterfloods. This brings pay acres subjected to fluid injection to a figure of 338,100 at the end of 1967.

PART I. OIL AND GAS DEVELOPMENTS

Jacob Van Den Berg

INTRODUCTION

This report is similar in form to the 1966 annual report.

Part I gives information about crude oil production, development and exploratory drilling, crude oil reserves, productive acreage, gas production, and underground storage of natural gas and liquefied petroleum gas.

The help and cooperation of the many individuals and companies who have made this report possible is greatly appreciated.

OIL PRODUCTION AND VALUE

Illinois produced 60,115,000 barrels of crude oil in 1967, down 1,867,000 barrels, or 3 percent, from the 61,982,000 barrels produced in 1966. Average daily production in 1967 was 164,699 barrels, compared with 169,814 barrels in 1966. Because of errors and inconsistencies in some sources of production data, the production figures in this report are in part estimated.

In connection with oil and gas exploration and production, table 1A lists by counties the number of permits issued, number of holes drilled, footage drilled, and oil production for 1967. Holes drilled are classified as tests for oil and gas, structure tests, service wells, or old wells re-worked or converted.

Table 1B lists by counties the number of holes and footage drilled in connection with underground storage of natural gas.

Six counties produced over 4 million barrels of oil each in 1967, accounting for 36,550,000 barrels or 60.8 percent of the state's total production for the year, as follows:

County	1967 production (M bbls)	Percentage of state total
Fayette	7,512	12.5
Lawrence	6,774	11.3
White	6,224	10.3
Wayne	5,620	9.3
Hamilton	5,573	9.3
Marion	4,847	8.1
	36,550	60.8

The combined production of eight fields that produced over 1 million barrels of oil each in 1967 was 41,012,000 barrels, or 68.2 percent of the state's total, as follows:

Field (C = Consolidated)	1967 production (M bbls)	Percentage of state total
Southeastern Illinois		
Oil Field	10,255	17.0
Louden	7,095	11.8
Clay City C	7,007	11.6
Dale C	4,487	7.5
Salem C	4,250	7.1
New Harmony C	4,183	7.0
Sailor Springs C	2,500	4.2
Johnsonville C	1,235	2.0
	41,012	68.2

The price of Illinois crude oil at the wells in 1967 was based on a gravity scale. Through July, the price ranged from \$2.52 per barrel for crude with an API gravity of 20 to 20.9 degrees to \$3.10 for crude with an API gravity of 40 to 44.9 degrees. In August, the price increased five cents per barrel. The value of crude oil produced in Illinois in 1967, based on an estimated average price of \$3.02 per barrel, was \$181,581,000.

1967 DRILLING

In connection with oil and gas production, 1855 wells were completed (table 1A), down 6.3 percent from 1966. These included new oil and gas tests, former dry holes reworked or deepened and completed as producers, former producers reworked or deepened and completed as producers in new pay zones, new service wells, service-well conversions, and structure tests. In addition, the gas industry reported 411 well completions in 1967 in connection with underground storage of natural gas (table 1B); these included 271 structure tests and 62 new wells and 78 well conversions in existing storage projects.

New tests drilled for oil and gas in 1967 totaled 1124, a decline of 10.8 percent from the 1260 new tests drilled in 1966. These new tests resulted in 570 oil wells, 1 gas well, and 553 dry holes. In addition, 59 former dry holes were reworked or deepened and completed as producers (58 oil wells and 1 gas well), and 24 former producers were re-entered and completed as oil wells in new pay zones. Table 8 shows the number of oil well completions and oil production by fields; table 9 gives the same data for gas fields.

New service wells drilled in 1967 (water input, salt water disposal, etc., nearly all in connection with waterflood operations) totaled 148, and 496 old wells, most of which had been oil wells, were converted to service wells.

Only four structure tests were drilled in Illinois in 1967 by the oil and gas producing industry.

New oil and gas tests were drilled in 56 of the 102 counties in the state. Ten counties, with 50 or more new tests each, accounted for 52 percent of the total: Richland (108), Clay (73), Crawford (70), Jasper (68), Wayne (61), Franklin (60), Clinton (57), Jefferson (57), Wabash (54), and White (50).

Of the 1124 new oil and gas tests in 1967, 261, or 23.2 percent, were wildcats (half a mile or more from previous production). Nineteen of the wildcats were completed as producers, a success ratio of 7.3 percent. Of the 112 wildcats drilled $\frac{1}{2}$ to $1\frac{1}{2}$ miles from production, 14 discovered extensions to fields and 1 discovered a new field, a success ratio of 13.4 percent. Of the 149 wildcats drilled over $1\frac{1}{2}$ miles from production, 4 discovered new fields, a success ratio of 2.7 percent. In addition, 2 extensions were discovered by re-entering old wildcat wells that had

previously been completed as dry and abandoned. Of the 56 counties in which there was drilling in 1967, 50 had some wildcat drilling. There was wildcat drilling in 9 counties that to date have had no production.

Total footage drilled in 1967 was 3,214,114 feet—2,929,179 by the oil and gas producing industry and 284,935 for underground natural gas storage. Total footage for oil and gas tests was 2,662,848, down about 8 percent from 1966.

Discoveries

Five oil fields, 16 extensions to fields, and 27 new pay zones in fields (fig. 1 and tables 2, 3, and 4, respectively) were discovered in 1967. Many of the new pay zones in the fields were discovered by development wells or deeper pool tests that were completed as producers in shallower reservoirs. None of the discoveries appears to be very significant.

One new field produces from Silurian, 1 from Devonian, 2 from Mississippian, and 1 from Pennsylvanian strata. Two of the extensions to fields produce from Silurian strata, 1 from Devonian, 12 from Mississippian, and 1 from Pennsylvanian. One of the new pay zones is in Ordovician strata, 25 in Mississippian, and 1 in Pennsylvanian.

Of the new fields, Litchfield South had 4 oil wells at the end of the year, Albion Northwest and Black Branch each had 3, Millersburg had 2, and Orient North had 1.

Exploration

Wildcat drilling (more than half a mile from production) was fairly well scattered throughout the southern two-thirds of the state. Each of 50 counties had at least 1 wildcat well.

Sixty wells tested deeper formations in existing fields; 11 of these discovered 13 deeper pay zones, 1 in McClosky, 6 in St. Louis, 3 in Salem, 1 in Harrodsburg (all Middle Mississippian formations), and 1 in the Trenton (Ordovician). The predominance of wells in the St. Louis and Salem is a reflection of the St. Louis play that began 2 years ago in Clay City Consolidated field in Jasper County. Including old wells reworked, about 300 tests in 1967 had St. Louis or Salem as

their objective. Most of this activity was in Jasper and adjoining Richland County. In the Divide-Coil district of northeastern Jefferson County, about 40 St. Louis-Salem tests were drilled; about 60 percent of them were completed as producers in one or both formations.

Three unsuccessful deep tests highlighted exploratory drilling in Illinois in 1967 (table 5, fig. 1). The first of these, the Union Oil Company of California No. 1 Cisne Community, a Precambrian test, is in Clay City Consolidated field. At total depth (11,614 feet), it is the second deepest test drilled in the state. A 90-minute drill-stem test several hundred feet in the Knox, at a depth of 7749 to 7876 feet, recovered 700 feet of gas, 10 feet of oil, and 360 feet of salt water. This is the first recovery of indigenous live liquid hydrocarbon from the lower part of the Ordovician in the central part of the Illinois Basin.

The second deep test, the Humble Oil and Refining Company No. 1 J. F. Pickel, was spudded near the top of the Ordovician on the crest of the Harrison Creek Anticline, a structure with several hundred feet of closure in Union County in the southwest corner of the Illinois Basin, about 35 miles from the nearest production. Total depth was 8490 feet. Other information on the well has not been released. The third deep test, the Texaco No. 1 J. M. Walters, a Knox test, is 1 mile south of Junction field in Gallatin County in extreme southeastern Illinois. It started in the drag zone on the downthrown side of the southward-dipping Shawneetown-Rough Creek reverse fault just north of its surface trace. Total depth was 7686 feet. It was completed as a dry hole.

FIELDS REVIVED AND ABANDONED

Kenner South, in Clay County, a 1-well McClosky field discovered in 1950, was abandoned in 1952 after producing about 3000 barrels of oil. It has been revived with the completion of 2 new wells, each producing from Benoist and McClosky. Roby West, a 1-well Devonian field in Sangamon County, discovered in 1957, was abandoned in 1963 after producing about 2000 barrels of oil. A successful new Devonian test has revived the field. Thompsonville field in Franklin County, discovered in 1940, produced 285,000 barrels of oil before it was abandoned in 1947. It has been revived with the completion of

8 new oil wells, 5 of which are St. Louis producers; the others produce from Ohara and Spar Mountain.

Twelve fields that had a combined cumulative production of about 615,000 barrels have been abandoned. They are Sicily, Christian County; Passport West, Clay County; Eberle, Effingham County; Omaha South, Gallatin and Saline Counties; Lis, Jasper County; Opdyke, Jefferson County; Exchange, Marion County; Hillsboro, Montgomery County; Craig, Perry County; Bowyer and Ritter North, Richland County; and Johnsonville North, Wayne County. The abandoned fields had cumulative production of less than 100,000 barrels each, except Eberle, with 113,000, and Ritter North, with 161,000 barrels.

GEOLOGIC COLUMN

Figure 2 is a generalized geologic column of southern Illinois. It does not show the Pleistocene deposits that cover much of the Illinois bedrock, the Tertiary and Cretaceous rocks that occur in a belt across the southern end of the state, or the approximately 4000 feet of Ordovician and Cambrian rocks between the base of the St. Peter Sandstone and the top of the Precambrian basement. Pay zones are indicated on the geologic column by a black dot.

OIL FIELD MAPS

Illinois Petroleum 83, published by the Illinois State Geological Survey, contains maps that show the locations of oil and gas fields in the state. Illinois Petroleum 84 contains maps that show the areas where 21 separate pay zones have produced oil.

CRUDE OIL RESERVES

The following figures show a decline in estimated crude oil reserves of 7.6 million barrels during 1967. Loss of reserves due to production was partially offset by a net upward revision of 52.5 million barrels; this revision is primarily the result of additions in fields where large water-flood operations are active. The quantity of oil added by new drilling for 1967 is so small that it has been included in the figure for revisions rather

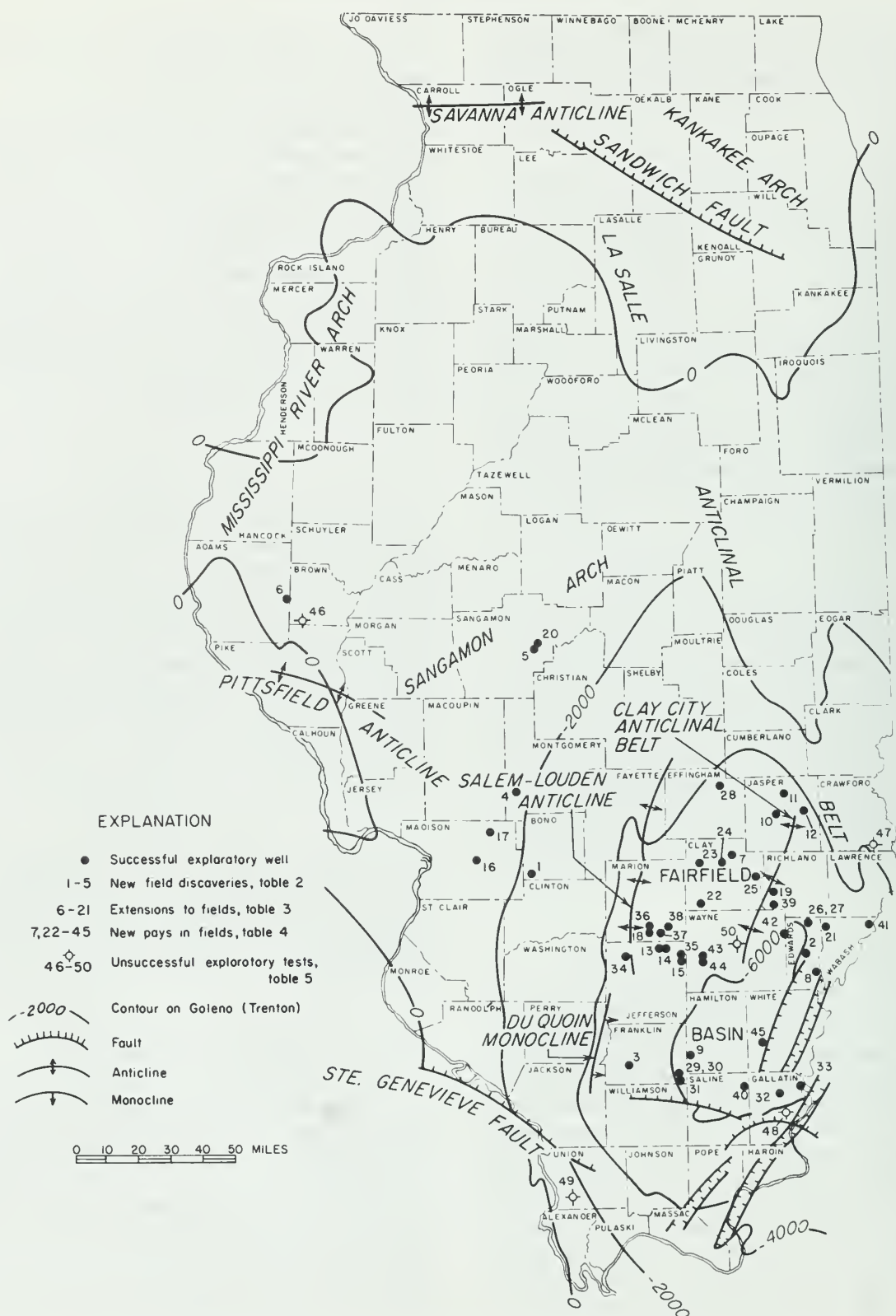


Figure 1 - Major tectonic features of Illinois and their relations to significant holes drilled during 1967. Numbered holes shown are listed in tables 2, 3, 4, and 5.

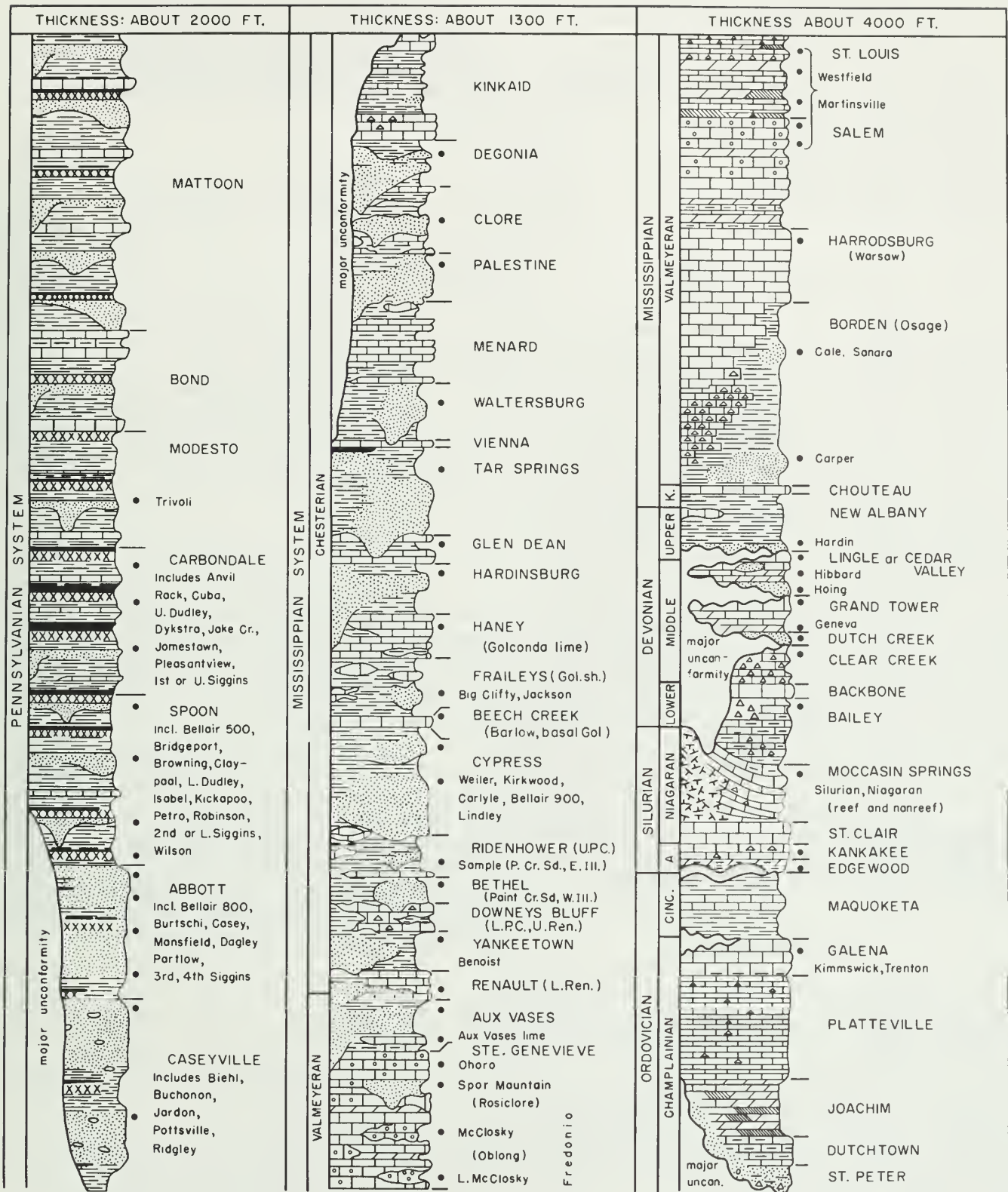


Figure 2 - Generalized geologic column of southern Illinois. Black dots indicate oil and gas pay zones. Formation names are in capitals; other pay zones are not. About 4000 feet of the lower part of Ordovician and the upper sandstone Cambrian rocks under the St. Peter are not shown. Kinderhookian (K), Alexandrian (A), and Cincinnati (Cinc.) Series are abbreviated. Variable vertical scale. (Prepared by David H. Swann)

than being listed separately.

	Millions of barrels
Estimated reserves Jan. 1, 1967	344.4
Withdrawal by 1967 production	60.1
Remainder after production	284.3
Added by upward revision	52.5
Estimated reserves Jan. 1, 1968	336.8

PRODUCTIVE ACREAGE

The total area of Illinois that has been proved productive of oil is 573,510 acres. This figure has been determined by a recent detailed study of the records at the Geological Survey and is believed to be more realistic than figures published in past annual reports. Table 8 shows the productive acreage figures by fields and by pay zones. In multiple-pay fields, where pay zones overlap, the sum of the acreage of the pay zones will be greater than the field total. Total productive area for gas is 34,535 acres. All but a few gas wells are shut in.

The normal spacing pattern in Illinois for oil wells producing from depths less than 4000 feet is 10 acres per well for production from sandstone and 20 acres per well for production from limestone. The Oil and Gas Act makes possible (under certain circumstances) the establishment of drilling units, for production less than 4000 feet deep, in which the spacing is fixed at not less than 10 acres nor more than 40 acres per well.

For wells producing from depths between 4000 and 6000 feet, the spacing pattern is 40 acres per well. For wells producing from depths greater than 6000 feet, it is 160 acres per well.

GAS PRODUCTION

An estimated 10 billion cubic feet of gas was produced from Illinois wells during 1967, either as solution gas or from separate gas reservoirs.

Approximately 199 million cubic feet of Illinois dry gas was marketed in Illinois during the year. From Johnston City East field in Williamson County, 96 million cubic feet was collected and distributed to Murphysboro, Carbondale, Marion, Benton, West Frankfort, and DuQuoin. From Omaha field, Gallatin County, 36

million cubic feet was collected and sold to several cities in Gallatin and White Counties; from Raleigh field, Saline County, 67 million cubic feet was collected and sold in Eldorado and Harrisburg.

UNDERGROUND STORAGE OF LIQUEFIED PETROLEUM GAS

Table 6 gives data on 12 underground storage facilities for liquefied petroleum gases in Illinois.

Storage is in caverns mined from shale or limestone. Propane, butane, and propylene are the gases being stored.

In 1967, Hydrocarbon Transportation, Inc., completed a storage facility near Lemont in Will County. The cavern is in mined shale and has a capacity of 250,000 barrels. Butane and propane are the gases being stored.

UNDERGROUND STORAGE OF NATURAL GAS

At the end of 1967, 24 underground natural gas storage projects were in operation or being developed in Illinois; one storage reservoir was being tested and several were being studied for their storage possibilities. Gas is stored in rocks of Pennsylvanian through Cambrian age, at depths from 350 to 3900 feet.

Table 7 lists some information about active Illinois storage projects. The total ultimate capacity of the storage reservoirs is estimated to be about 600 billion cubic feet. The amount of gas actually in place at the beginning of the heating season (fall of 1967) was about 260 billion cubic feet. About half of this was working gas and half of it was cushion gas not available for withdrawal and delivery to customers.

TABLE 1A - SUMMARY OF OIL AND GAS DRILLING ACTIVITY AND OIL PRODUCTION IN 1967

County	Permits to drill	Total completions	Production tests					Service wells				Structure tests	Total footage drilled	Total oil production (M bbls)
			New holes		OWHO		Footage drilled	New service wells	Conversions		Footage drilled			
					D&A to prod. ^a	Prod. to prod. in new pay zones								
									Prod. ^a	D&A				
Adams	5	6	1	4	—	—	3,599	—	—	—	—	1	4,247	1.8
Bond	13	16	2	13	—	—	25,937	1	—	—	2,173	—	28,110	108.4
Brown	3	1	—	1	—	—	1,232	—	—	—	—	—	1,232	3.0
Cass	1	1	—	1	—	—	907	—	—	—	—	—	907	—
Champaign	5	4	—	4	—	—	3,348	—	—	—	—	—	3,348	2.0
Christian	5	14	3	2	—	—	10,562	—	9	—	—	—	10,562	531.6
Clark	53	41	14(1)	10	—	—	21,710	13	1	2	5,080	—	26,790	699.8 ^c
Clay	132	121	39	34	8	3	212,442	8	29	—	18,323	—	230,765	3,044.9
Clinton	50	61	9	48	—	—	87,797	—	4	—	—	—	87,797	922.8
Coles	12	19	9	2	—	—	21,312	1	7	—	377	—	21,689	555.5
Crawford	141	92	40	30	—(1)	—	87,225	17	1	1	18,350	2	107,448	3,164.0
Cumberland	10	4	1	3	—	—	9,256	—	—	—	—	—	9,256	c
DeWitt	4	6	—	5	1	—	6,915	—	—	—	—	—	6,915	240.2
Douglas	14	28	15	12	—	—	35,235	1	—	—	—	—	35,235	92.3
Edgar	12	12	5	6	—	—	5,330	—	1	—	—	—	5,330	89.9
Edwards	39	34	15	8	—	1	71,498	1	9	—	2,669	—	74,167	877.9
Effingham	87	46	25	16	1	—	104,130	—	1	3	—	—	104,130	597.6
Fayette	31	45	12	8	1	3	38,429	9	9	3	14,859	—	53,288	7,512.4
Ford	1	1	—	1	—	—	667	—	—	—	—	—	667	—
Franklin	89	75	16	44	1	1	186,855	—	11	2	—	—	186,855	1,649.9
Gallatin	63	54	18	8	—	1	76,724	2	23	2	2,498	—	79,222	972.6
Greene	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Hamilton	56	46	14	9	2	1	78,074	1	18	1	2,000	—	80,074	5,572.7
Hancock	3	2	—	2	—	—	1,408	—	—	—	—	—	1,408	38.8 ^d
Henderson	1	2	—	2	—	—	1,246	—	—	—	—	—	1,246	—
Iroquois	1	1	—	1	—	—	1,535	—	—	—	—	—	1,535	—
Jackson	1	1	—	1	—	—	794	—	—	—	—	—	794	—
Jasper	127	90	45	23	6	1	198,909	2	10	3	2,979	—	201,888	1,445.5
Jefferson	40	67	35	22	1	—	178,688	—	8	1	—	—	178,688	1,607.1
Kankakee	—	1	—	1	—	—	575	—	—	—	—	—	575	—
Lawrence	107	109	36	12	3	1	87,271	42	10	4	70,138	1	159,294	6,774.1
Logan	10	—	—	—	—	—	—	—	—	—	—	—	—	—
McDonough	2	2	—	2	—	—	1,696	—	—	—	—	—	1,696	d
McLean	10	6	—	6	—	—	7,081	—	—	—	—	—	7,081	—
Macon	8	10	5	3	2	—	16,390	—	—	—	—	—	16,390	11.2
Macoupin	2	2	1	1	—	—	973	—	—	—	—	—	973	3.3
Madison	22	17	3	14	—	—	21,589	—	—	—	—	—	21,589	215.7
Marion	65	85	18	19	2	3	99,699	—	41	2	—	—	99,699	4,846.7
Mason	1	2	—	2	—	—	1,833	—	—	—	—	—	1,833	—
Monroe	1	1	—	1	—	—	1,020	—	—	—	—	—	1,020	—
Montgomery	26	7	4	3	—	—	6,259	—	—	—	—	—	6,259	1.0
Morgan	4	4	1	3	—	—	2,086	—	—	—	—	—	2,086	—
Moultrie	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Perry	2	1	—	1	—	—	1,350	—	—	—	—	—	1,350	6.5
Piatt	3	1	—	1	—	—	1,414	—	—	—	—	—	1,414	27.2
Pike	1	2	—	2	—	—	885	—	—	—	—	—	885	—
Randolph	4	10	—	10	—	—	5,722	—	—	—	—	—	5,722	108.7
Richland	135	125	79	29	6	1	366,371	—	9	1	—	—	366,371	1,908.0
St. Clair	5	7	—	7	—	—	8,148	—	—	—	—	—	8,148	—
Saline	19	18	3	—	2	—	8,744	—	12	1	—	—	8,744	1,105.0
Sangamon	22	22	6	14	2	—	33,642	—	—	—	—	—	33,642	114.5
Schuyler	9	10	—	10	—	—	7,018	—	—	—	—	—	7,018	—
Scott	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Shelby	1	2	—	1	—	—	2,249	—	1	—	—	—	2,249	52.3
Union	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Vermilion	—	1	—	1	—	—	1,125	—	—	—	—	—	1,125	—
Wabash	121	93	26	28	6	—	123,748	6	22	5	8,175	—	131,923	2,632.8
Warren	1	1	—	1	—	—	900	—	—	—	—	—	900	—
Washington	24	29	4	13	—	2	28,828	6	3	1	8,949	—	37,777	531.8
Wayne	207	194	36	25	11	2	209,448	17	94	9	48,264	—	257,712	5,620.1
White	167	200	29	21	3	4	136,721	21	104	18	57,091	—	193,812	6,223.7
Williamson	5	3	1	2	—	—	8,299	—	—	—	—	—	8,299	42.8
Production, location unknown														158.9
TOTALS	1,986	1,855	570(1)	553	58(1)	24	2,662,848	148	437	59	261,925	4	2,929,179	60,115.0

^aGas in parentheses, not included in totals.^bFormer D&A and other types of holes converted in connection with waterflood projects.^cProduction is combined for Clark and Cumberland Counties.^dProduction is combined for Hancock and McDonough Counties.

TABLE 1B - SUMMARY OF UNDERGROUND NATURAL GAS STORAGE DRILLING ACTIVITY IN 1967

County	Permits issued	Total completions	Structure tests	Injection and withdrawal wells		Service wells		Footage
				New wells	Conversions	New wells	Conversions	
Champaign	6	11	2	4	1	2	2	33,747
Coles	3	—	—	—	—	—	—	—
Douglas	—	1	—	—	1	—	—	—
Edgar	15	5	—	—	—	5	—	10,401
Fayette	25	68	—	—	28	—	40	—
Iroquois	5	—	—	—	—	—	—	—
Kankakee	17	16	—	10	—	6	—	35,291
Knox	6	6	6	—	—	—	—	3,140
LaSalle	20	24	11	12	—	1	—	26,326
Livingston	16	19	7	11	—	1	—	38,749
Logan	3	—	—	—	—	—	—	—
McLean	74	79	79	—	—	—	—	61,711
Madison	1	8	—	3	2	—	3	12,055
Marshall	—	1	1	—	—	—	—	566
Mercer	4	3	3	—	—	—	—	1,214
Morgan	12	7	—	7	—	—	—	16,743
Ogle	1	58	58	—	—	—	—	14,240
Peoria	6	—	—	—	—	—	—	—
Putnam	—	1	1	—	—	—	—	1,190
St. Clair	—	1	—	—	1	—	—	678
Stephenson	—	1	1	—	—	—	—	135
Warren	27	27	27	—	—	—	—	10,734
Winnebago	23	75	75	—	—	—	—	18,015
TOTALS	264	411	271	47	33	15	45	284,935

TABLE 2 - FIVE NEW FIELD DISCOVERIES IN 1967

Map no. (Fig. 1)	Location	County	Operator, well no., and farm	Field	Initial production	Pay zone	Prod. depth (feet)	Total depth (feet)	Com- ple- tion date
1	28-4N-4W	Bond	Shakespeare Oil Co., Inc. #1 Osmar Knebel	Millersburg	21 B0/316 BW	Devonian	2,122	2,160	7-28
2	22-1S-10E	Edwards	D.T. Drilling Co. #2 Lloyd Saxe	Albion Northwest	50 B0	McClosky	3,305	3,400	8-15
3	5-7S-2E	Franklin	V.R. Gallagher #4 Crown	Orient North	21 B0/42 BW	Aux Vases	2,684	3,049	2-22
4	22-8N-5W	Montgomery	M.P. Gas & Oil Expl. #1 Whitlock	Litchfield South	80 B0/20 BW	Pennsylvanian	660	690	10-4
5	15-15N-4W	Sangamon	Midland Oil Development #1 Fairchild	Black Branch	14 B0/150 BW	Silurian	1,610	1,624	9-22

TABLE 3 — DISCOVERY WELLS OF SIXTEEN EXTENSIONS TO FIELDS IN 1967 (C, Consolidated; E, East; W, West)

Map no. (Fig. 1)	Location	County	Operator, well no., and farm	Field	Initial production	Pay zone	Prod. depth (feet)	Total depth (feet)	Com- ple- tion date	Remarks
6	25-1S-5W	Adams	Claude L. McElvain #1 Charles Kirchher	Kellerville	20 BO/100 BW	Silurian	686	686	9-28	
7	31-5N-7E	Clay	Pleasure Oil Co. #2 James Brooks Com.	Tolliver E	10 BO/68 BW	Aux Vases	2,744	3,002	3-30	Also a new pay in field
8	15-2S-14W	Edwards	Pointer Oil Co. #1 Rotramel	New Harmony C	104 BO	Bethel	2,776	3,437	5-10	
9	19-6S-5E	Hamilton	C.E. Brehm #1 Jarrett	Dale C	75 BO/25 BW	Aux Vases	3,194	3,250	—	
10	24-7N-9E	Jasper	Glennard Bunton #1 Harold Maples	Newton W	12 BO/63 BW	Spar Mtn. McClosky	2,880 2,940	3,187	—	
11	19-8N-10E	Jasper	San Marcos Expl. Co. #1-A Cowger	Hidalgo	48 BO/63 BW	McClosky	2,610	2,610	12-12	
12	18-8N-11E	Jasper	Jerry B. Mansfield #1 M. Huddleston	Yale	15 BO	Spar Mtn.	2,106	2,106	9-20	
13	12-1S-3E	Jefferson	David F. Herley #1 Sammons-Price Com.	Divide C	72 BO	Salem	3,130	3,228	9-22	OWDD, was D&A, old TD 2,882
14	7-1S-4E	Jefferson	John F. Dunnill #1 Donoho Heirs	Divide C	25 BO	McClosky	2,720	2,743	—	
15	25-1S-4E	Jefferson	Frank E. Lindsay #1 Winnie Meloy	Coil W	75 BO	Aux Vases	2,863	3,079	1-4	
16	35-5N-7W	Madison	John P. Potsch #1 Barnsback "A"	Marine W	50 BO/30 BW	Devonian	1,630	1,630	6-27	
17	16-6N-6W	Madison	W.H. Krohn #1 John Sievers, Jr.	Livingston	no gauge	Pennsylvanian	551	563	10-4	
18	9-1N-3E	Marion	Natl. Assoc. Petr. Co. #1 Alvie B. Spangler	Exchange W	12 BO	St. Louis	2,676	2,750	9-10	OWDD, was D&A, old TD 2,656
19	22-3N-9E	Richland	Delbert H. Runyon #1 A. Shan	Clay City C	38 BO	Spar Mtn.	3,028	3,707	10-31	
20	11-15N-4W	Sangamon	Centurian Oil Co. #1-A Chandler Heirs	Black Branch	52 BO/125 BW	Silurian	1,608	1,613	12-15	
21	12-1N-14W	Wabash	Pointer Oil Co. #1 Hinderliter	Gards Point C	5 BO	Ohara	2,847	2,943	5-29	

TABLE 4 - DISCOVERY WELLS OF TWENTY-SEVEN NEW PAY ZONES IN FIELDS IN 1967
(C, Consolidated; E, East; N, North; S, South; W, West)

Map no. (Fig. 1)	Location	County	Operator, well no., and farm	Field	Initial production	New pay zone	Prod. depth (feet)	Total depth (feet)	Com- ple- tion date	Remarks
22	2-2N-5E	Clay	David N. Claypool #1 L. Woomer	Kenner S	35 BO/5 BW	Benoist	2,733	2,994	3-1	Also prod. from McClosky
23	14-4N-5E	Clay	Shulman Bros. #3 Jeffers Com.	Iola S	10 BO/25 BW	Carper	3,901	4,304	1-21	OWWO, was D&A
24	27-4N-7E	Clay	L. & L. Hagen #1 L. Hagen	Sailor Springa C	16 BO/much W	St. Louis	3,315	3,545	5-31	OWDD, old TD 3,040, was temp. abd.
25	34-4N-8E	Clay	Don H. Baldwin #1 L. Rinnert	Sailor Springa E	240 BO	Salem	3,558	3,614	7-19	
7	31-5N-7E	Clay	Pleasure Oil Co. #2 James Brooks Com.	Toliver E	10 BO/68 BW	Aux Vases	2,744	3,002	3-30	Also an extension
26	31-2N-14W	Edwards	Graham Oil Co. #1 Bierhaus	Parkersburg C	40 BO	Tar Springs	2,442	2,450	1-10	
27	31-2N-14W	Edwards	Graham Oil Co. #1 G.H. Ridgley	Parkersburg C	67 BO/6 BW	Pennsylvanian	2,130	2,473	2-15	
28	11-8N-6E	Effingham	Jen Oil Co. #2 Funneman-Huelsing Com.	Teutopolis	18 BO/12 BW	McClosky St. Louis	2,530 2,570	2,601	6-22	Also prod. from Spar Mtn.
29	27-7S-4E	Franklin	Hanson Oil Co. #1 R. McLaren	Thompsonville	60 BO/140 BW	St. Louis	3,456	3,500	1-10	
30	27-7S-4E	Franklin	Hanson Oil Co. #1 Patton "A"	Thompsonville	20 BO/5 BW	Spar Mtn.	3,194	3,777	1-30	
31	34-7S-4E	Franklin	Hanson Oil Co. #1 Sanders	Thompsonville	15 BO/50 BW	Ohara	3,114	3,495	4-24	
32	14-8S-9E	Gallatin	Natl. Assoc. Petr. Co. #1 Max Wilson "C"	Inman WC	32 BO	St. Louis	3,182	3,222	3-15	
33	2-8S-10E	Gallatin	Crawford Prod. Co. #13 Black	Inman EC	20 BO/70 BW	Renault	2,678	3,079	10-7	
34	19-1S-2E	Jefferson	Superior Oil Co. #20 C.H. Friedrich	Boyd	74 BO	Trenton	5,021	5,400	9-20	
35	24-1S-4E	Jefferson	Natl. Assoc. Petr. Co. #1 Lora F. Donoho	Coil W	390 BO	St. Louis	3,044	3,081	-	
36	4-1N-3E	Marion	Natl. Assoc. Petr. Co. #1 O.L. Charlton "B"	Exchange W	173 BO	St. Louis	2,731	2,784	7-20	
37	12-1N-3E	Marion	Ego Oil Co. #2-B E. Arnold	Exchange N	100 BO	Spar Mtn.	2,685	2,711	-	Also prod. from McClosky
38	6-1N-4E	Marion	Ego Oil Co. #1-A W. Earl Harvey	Exchange N	17 BO/17 BW	Salem	3,081	3,194	9-26	OWWO, was D&A
39	14-2N-9E	Richland	Union Oil Co. of Calif. #2 W. Winter "A"	Calhoun C	7 BO/19 BW	St. Louis Salem	3,379 3,736	3,990	3-14	OWWO, was D&A. Also prod. from McClosky
40	1-8S-7E	Saline	Illinois Mid-Continent Co. #1 C.E. Garner "C"	Omaha W	100 BO	Sample	2,608	3,011	8-29	
41	6-1N-11W	Wabash	Kingwood Oil Co. #4 Mark Madden	Allendale	24 BO/22 BW	St. Louis	2,307	2,779	-	Also prod. from Salem, depth 2,653
42	13-1N-9E	Wayne	M.C. Milam #3-A Fredericks	Maple Grove C	60 BO	Salem	3,659	3,870	6-27	Also prod. from McClosky, depth 3,242
43	25-1S-5E	Wayne	Natl. Assoc. Petr. Co. #1 Fred D. Meyers "A"	Keenville E	30 BO/100 BW	St. Louis	3,259	3,638	5-31	
44	36-1S-5E	Wayne	Natl. Assoc. Petr. Co. #1 Verl Shreve	Keenville E	20 BO/80 BW	Spar Mtn.	3,079	3,270	7-19	Also prod. from McClosky, depth 3,163. OWDD, was D&A, old TD 3,202.
45	36-5S-8E	White	Southern Triangle Oil Co. #1 H. Ward	Roland C	25 BO	Harrodsburg	4,052	4,123	-	Also prod. from Salem, depth 3,973

TABLE 5 — SELECTED LIST OF UNSUCCESSFUL EXPLORATORY TESTS IN 1967 (C, Consolidated)

13

Map no. (Fig. 1)	Location	County	Operator, well no., and farm	Pool or wildcat	Deepest formation tested	Depth to top (feet)	Total depth (feet)	Com- ple- tion date	Remarks
46	26-2S-4W	Brown	Alvin J. Buck #1 Clara Orr	WF*	Knox	1,126	2,310	1-2	OWDD, old TD 1,608, was D&A
47	20-5N-11W	Crawford	Getty Oil Co. #21 S. Shoulders	Main C	Shakopee	5,114	5,317	12-14	
48	29-9S-9E	Gallatin	Texaco Inc. #1 J.M. Walters	WN**	Knox	7,564	7,686	9-15	
49	21-13S-2W	Union	Humble Oil & Refg. Co. #1 J.F. Pickel	WF	?	?	8,490	12-22	
50	3-1S-7E	Wayne	Union Oil Co. of Calif. #1 Cisne Com.	Clay City C	Precambrian	11,516	11,614	11-17	

*Wildcat Far, drilled $1\frac{1}{2}$ miles or more from nearest production.**Wildcat Near, drilled $\frac{1}{2}$ to $1\frac{1}{2}$ miles from nearest production.

TABLE 6 — UNDERGROUND STORAGE FACILITIES FOR LIQUEFIED PETROLEUM GASES IN ILLINOIS, JANUARY 1, 1968

Company	Location	Type of storage	Capacity (bbl)	Product
General Facilities, Inc.	Wood River, Madison County	Mined limestone	86,500	Propane
Hydrocarbon Transportation, Inc.	Lemont, Will County	Mined shale	250,000	Butane and propane
Mid-America Pipeline Co.	Farmington, Peoria County	Mined limestone	400,000	Propane
Phillips Petroleum Co.	Kankakee, Kankakee County	Mined shale	260,000	Propane
Shell Oil Co.	Wood River, Madison County	Mined limestone	500,000	Butane
	Wood River, Madison County	Mined limestone	232,000	Propane
Tuloma Gas Products Co.	Wood River, Madison County	Mined limestone	190,000	Propane
	Wood River, Madison County	Mined shale	50,000	Propylene
U. S. Industrial Chemicals Co.	Tuscola, Douglas County	Mined shale	170,000	Propane
	Tuscola, Douglas County	Mined shale	800,000	Propane
WILLBROS Warren Petroleum Corp.	Eola (Aurora), DuPage County	Mined shale	46,000	LP-gas
	Crossville, White County	Mined shale	52,000	LP-gas
Total			3,036,500	

Project	Company	County Township Range	Operational dates (initial)			Number of wells			Geologic data			
			Devel- opment	Stor- age	With- drawal	Oper- ating	Obser- vation	Other	Stratigraphic unit	Lithol- ogy	Trap	Native fluid
Ancona	Northern Illinois Gas Co.	LaSalle & Liv- ingston 29, 30N 2, 3E	1961	1963	1965	55	10	—	Mt. Simon	sand	dome	water
Ashmore	Central Illinois Public Service	Coles & Clark 12N 10E, 11E, 14W	1960	1963	1963	23	8	3	Spoon Salem	sand lime	anti- cline	gas
Centralia East	Illinois Power Co.	Marion 1N 1E	1960	1964	1966	15	6	0	Pennsylvanian	sand	strati- graphic	gas
Cooks Mills	Natural Gas Pipe- line Co.	Coles & Douglas 14N 7, 8E	1956	1957	1958	22	9	8	Cypress Spar Mountain ("Rosiclare")	sand	lens	gas
Crescent City	Northern Illinois Gas Co.	Iroquois 26, 27N 13W	1959	1967	—	2	25	—	St. Peter	sand	dome	water
Elbridge	Midwestern Gas Transmission Co.	Edgar 12, 13N 11W	1961	1964	1966	12	7	0	Grand Tower	lime	drape over reef	water
Freeburg	Illinois Power Co.	St. Clair 1, 2S 7W	1958	1959	1959	68	6	0	Cypress	sand	strati- graphic	gas
Gillespie- Benld	Illinois Power Co.	Macoupin 8N 6W	1958	1958	1959	7	0	0	Pennsylvanian	sand	strati- graphic	gas
Glasford	Central Illinois Light Co.	Peoria 7N 6E	1960	1964	1964	11	12	0	Niagaran	dolo- mite	dome	water
Herschel	Natural Gas Pipe- line Co.	Kankakee 30N 10E	1952	1953	1953	65	119	16	Galesville	sand	anti- cline	water
Herschel- Northwest	Natural Gas Pipe- line Co.	Kankakee 30, 31N 9E	(being developed)			0	11	—	Mt. Simon†	sand	anti- cline	water
Hookdale	Illinois Power Co.	Bond 4N 2W	1962	1963	1963	10	2	0	Yankeetown ("Benoist")	sand	strati- graphic & struc- tural	gas
Leaf River	Northern Illinois Gas Co.	Ogle 25N 9E	(being tested)			1	4	—	Eau Claire	sand	anti- cline	water
Loudon	Natural Gas Pipe- line Co.	Fayette 7, 8, 9N 3E	(being developed)			12	90	—	Grand Tower	lime	anti- cline	oil
Mahomet	Peoples Gas, Light & Coke Co.	Champaign 21N 7E	1960	1964	1966	18	11	0	Mt. Simon	sand	anti- cline	water
Nevins	Midwestern Gas Transmission Co.	Edgar 12, 13N 11W	1961	1965	1966	13	8	0	Grand Tower	lime	drape over reef	water
Pecatonica	Central Illinois Electric & Gas Co.	Winnebago 27N 10E	(being developed)			3	8	0	Eau Claire	sand	dome	water
Pontiac	Northern Illinois Gas Co.	Livingston 27, 28N 6E	(being developed)			10	12	—	Mt. Simon	sand	dome	water
Richwoods	Gas Utilities Co.	Crawford 6N 11W	1966	1966	1966	2	2	0	Pennsylvanian	sand	—	gas
St. Jacob	Mississippi River Fuel Corp.	Madison 3N 6W	1963	1963	1965	10	4	2	St. Peter	sand	dome	water
State Line	Midwestern Gas Transmission Co.	Clark, Ill., † & Vigo, Ind. 12N 10W	1961	1962	1964	9	6	0	Grand Tower	lime	drape over reef	water
Tilden	Illinois Power Co.	St. Clair & Washington 3S 5, 6W	1957	1961	1961	45	4	0	Cypress	sand	strati- graphic	gas
Troy Grove	Northern Illinois Gas Co.	LaSalle 34, 35N 1E	1957	1958	1959	83	28	0	Eau Claire Mt. Simon	sand	dome	water
Waterloo	Mississippi River Fuel Corp.	Monroe 1, 2S 10W	1950	1951	1951	6	6	22	Ordovician	sand & dolo- mite	dome	water
Waverly	Panhandle Eastern Pipeline Co.	Morgan 13N 8W	1952	1954	1961	30	18	14	St. Peter	sand	dome	water

*Million cubic feet

**Current storage; ultimate capacity not available

†Includes Elmhurst Member of overlying Eau Claire Formation

‡15 percent in Illinois; 85 percent in Indiana

Reservoir data						Capacities (MMcf)*			Max. vol. in storage 1967 (MMcf)	Withdrawals (MMcf)	
Area in acres		Depth (feet)	Thickness or closure (feet)	Average porosity (%)	Average permeability (millidarcys)	Potential, cushion and working	Dec. 31, 1967			Peak daily, 1967	Total, 1967
Storage	Closure						Working	Cushion			
—	12,840	2,154	290	12.3	114	120,000	9,500	11,000	21,900	105	4,100
—	1,600	400	4-80	15.0	up to 3,000	2,000	787	945	1,833	16.0	450
463	—	812	49	18.2	200	615	75	491	619	17.6	269
—	1,500	1,600	40	16.0	67	4,300**	2,322	1,567	3,943	58.6	1,988
—	16,725	1,200	150	14.5	138	100,000	—	92	92	0	0
—	1,691	1,925	145	17.5	18	5,200	934	3,900	5,155	31.3	465
4,222	—	350	47	21.5	216	6,507	1,326	4,636	6,521	38.0	1,937
113	—	510	28	16.0	326	147	29	116	148	4.2	34
—	3,200	800	30-120	12.0	426	9,000	1,401	2,000	3,502	58.5	752
6,750	8,000	1,750	100	18.0	467	50,000	16,265	23,283	42,523	791	17,759
7,500	8,000	2,450	80	12.0	185	67,000	20,751	30,704	52,146	193	8,136
—	3,000	2,200	58	15.0	82	20,000	—	—	—	—	—
414	28	1,125	28	20.3	458	798	357	285	804	25.3	818
—	—	810	80	20.0	—	15,000	—	—	—	—	—
—	22,857	3,050	146	15.0	—	100,000	—	3,188	3,190	—	—
—	13,370	3,950	116	11.0	15	30,000	2,822	18,888	21,758	51	1,242
—	1,650	1,975	90	16.5	25	5,400	1,153	4,050	5,406	26.3	663
—	2,600	800	38	19.0	—	4,000	0	221.5	221.5	0	0
—	3,500	3,000	100	10.0	—	45,000	—	3,600	3,600	2.5	10
—	—	700	—	—	—	55	19	15	35	1.0	15.6
550	650	2,860	100	14.0	400+	4,800	1,290	3,012	4,516	47	1,673
—	496	1,860	91	17.3	47	3,200	789	2,400	3,258	10.6	113
1,287	—	800	32	20.8	183	2,688	450	1,820	2,709	41.9	1,233
—	9,600	1,420	100	17.0	150	100,000	23,500	24,800	54,900	590	25,800
100	300	1,650	100	vuggy	—	250	150	100	250	13.7	294
1,500	7,000	1,800	115	18.0	1,220	150,000	6,000	10,811	18,593	144	6,720

TABLE 8 — ILLINOIS OIL POOL STATISTICS, 1967

Explanation of Abbreviations and Symbols

Pool: N, North; S, South; E, East; W, West; C, Consolidated; Cen, Central. Pools located in two or more counties have county names listed in order of oil discovery.

Age: PC, Precambrian; ORD, Ordovician; SHK, Shakopee; STP, St. Peter; TRN, Trenton; SIL, Silurian; DEV, Devonian; DVS, Devonian-Silurian; MIS, Mississippian; PEN, Pennsylvanian.

Kind of rock in pay zone: D, dolomite; DS, sandy dolomite; L, limestone; LS, sandy limestone; OL, oolitic limestone; S, sandstone.

ABD: Pool abandoned.

REV: Pool revived.

Structure: A, anticline; C, accumulation due to change in character of rock; D, dome; F, faulting; H, strata horizontal or nearly horizontal; L, lens; M, monocline; N, nose; R, reef; T, terrace; U, unconformity. Combinations of the letters are used when more than one factor applies.

+ Pool listed in Table 9 (gas production).

++ Illinois portion only.

Acreage is included in the immediately preceding figure.

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
A8 LAKE, GALLATIN, 8S, 10E																
			1947	80	2.5	76.5	9	0	0		3		M	MIS	2953	
	PENNSYLVANIAN	805	1957	40			3	0	0			S	10	M		
	PALESTINE, MIS	1835		10			1	0	0			S	5	MF		
	WALTERSBURG, MIS	2000	1957	40			3	0	0			S	10	M		
	RENAULT, MIS	2735		20			2	0	0		35	L	8	MF		
	AUX VASES, MIS	2770		10			1	0	0		35	S	9	MF		
A8 LAKE SOUTH, GALLATIN, 9S, 10E																
	AUX VASES, MIS	2798	1959	10	0.0	3.8	1	0	0		0		S	6	M	MIS 2982
				ABO 1963												
*A8 LAKE WEST, GALLATIN, 8-9S, 9-10E																
			1950	450	16.3	490.9	33	0	0		16		M	MIS	2964	
	PENNSYLVANIAN	725		50			3	0	0			S	10	ML		
	WALTERSBURG, MIS	2020	1956	300			19	0	0			S	20	ML		
	TAR SPRINGS, MIS	2075	1958	30			2	0	0			S	10	ML		
	CYPRESS, MIS	2425		10			1	0	0			S	9	ML		
	AUX VASES, MIS	2735		160			17	0	0			S	6	ML		
	MCCLOSKEY, MIS	2830		10			1	0	0			L	2	MC		
	2 OR MORE PAYS						4	0	0							
*ADEN C, WAYNE, HAMILTON, 2-3S, 7E																
			1938	2370	559.9	11548.4	122	0	11		68		A	DEV	5434	
	AUX VASES, MIS	3200		1570			64	0	8		35	S	10	A		
	OHARA, MIS	3290		2010			7	0	3		35	L	7	A		
	SPAR MTN, MIS	3320		#			5	0	0		35	LS	5	AC		
	MCCLOSKEY, MIS	3350		#			79	0	10		35	L	4	A		
	SALEM, MIS	3735		50			8	0	0		40	L	16	AC		
	HARRODSBURG, MIS	4132	1959	30			2	0	0			L	16	AC		
	OUTCH CREEK, OEV	5318	1959	30			3	0	0			S	10	A		
	2 OR MORE PAYS						51	0	6							
ADEN EAST, WAYNE, 2S, 7E																
	MCCLOSKEY, MIS	3434	1961	10	0.0	0.0	1	0	0		0		DL	6	MIS 3552	
				ABO 1961												
*ADEN SOUTH, HAMILTON, 3S, 7E																
			1945	330	28.3	802.3	26	2	0		15		A	DEV	5462	
	AUX VASES, MIS	3245		170			8	2	0			S	8	AL		
	OHARA, MIS	3310		330			2	0	0			L	7	AC		
	SPAR MTN, MIS	3330		#			8	0	0			LS	8	AC		
	MCCLOSKEY, MIS	3395		#			17	1	0		39	L	9	AC		
	2 OR MORE PAYS						10	1	0							
*AKIN, FRANKLIN, 6S, 4E																
			1942	700	86.2	2085.7	53	0	0		30		A	MIS	3515	
	CYPRESS, MIS	2840		170			11	0	0		33	0.14	S	10	AL	
	AUX VASES, MIS	3100		490			38	0	0		38	0.12	S	22	AL	
	OHARA, MIS	3100	1956	70			4	0	0			L	18	AC		
	MCCLOSKEY, MIS	3270		#			1	0	0			L	9	AC		
	2 OR MORE PAYS						1	0	0							
AKIN WEST, FRANKLIN, 6S, 4E																
			1948	120	0.0	153.1	9	0	0		7		A	DEV	5185	
	CYPRESS, MIS	2715		30			2	0	0			S	8	AL		
	OHARA, MIS	3050		70			2	0	0			L	10	AC		
	SPAR MTN, MIS	3080		#			1	0	0			L	12	AC		
	MCCLOSKEY, MIS	3130		#			3	0	0			L	4	AC		
	SALEM, MIS	3663	1962	10			1	0	0			L	10			
	HARRODSBURG, MIS	3994	1962	20			2	0	0			L	10			
	2 OR MORE PAYS						1	0	0							
ALBION CEN, EDWARDS, 2S, 10E																
			1955	110	0.0	136.0	7	0	0		2			MIS	3510	
	OHARA, MIS	3350		110			7	0	0			L	5			
	MCCLOSKEY, MIS	3395		#			1	0	0			L	4			
	2 OR MORE PAYS						1	0	0							
*ALBION C +, EDWARDS, WHITE, 1-3S, 10-11E, 14W																
			1940	5610	674.1	26300.8	475	0	11		230		AM	OEI	5185	
	MANSFIELD, PEN	1650		1950			6	0	0		35		5	MF		
	BRIDGEPORT, PEN	1900		#			30	0	0		35	0.16	S	15	MF	
	BIEHL, PEN	2000		#			157	0	2		34	0.16	S	15	MF	
	OEGONIA, MIS	2125		10			2	0	0		35		S	9	MF	
	WALTERSBURG, MIS	2365		690			67	0	1		35		S	16	AL	

TABLE B - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
(CONTINUED FROM PREVIOUS PAGE)																
*ALBION C +, EDWARDS, WHITE, 1-3S, 10-11E, 14W	TAR SPRINGS, MIS	2460		140			10	0	0			37	S	5	AL	
	HARJOINSBURG, MIS	2635		70			6	0	0			36	S	10	A	
	CYPRESS, MIS	2860		510			44	0	0			37	S	15	A	
	BETHEL, MIS	2960		860			51	0	0			35	S	14	AF	
	BENOIST, MIS	3000		170			11	0	0			35	S	13	AF	
	AUX VASES, MIS	3045		1600			109	0	5			35	S	18	AF	
	OHARA, MIS	3110		1770			10	0	0			40	L	5	AC	
	SPAR MTN, MIS	3130		#			6	0	1			35	L	10	AC	
	MCCLOSKEY, MIS	3200		#			100	1	4			39	L	12	AC	
	2 OR MORE PAYS						159	1	1							
*ALBION EAST, EDWARDS, 2S, 14W			1943	770	30.2	1397.3	56	2	1		27				A	MIS 3254
	CYPRESS, MIS	2800		120			12	0	1				S	7	A	
	BETHEL, MIS	2920		20			3	0	0				S	6	AL	
	BENOIST, MIS	2925		60			8	2	0				S	10	AC	
	AUX VASES, MIS	3020		290			17	0	1			39	0.14	S	17	AL
	OHARA, MIS	3100		500			12	0	0				L	7	A	
	SPAR MTN, MIS	3125		#			7	0	0				L	7	A	
	MCCLOSKEY, MIS	3155		#			13	0	0				L	7	A	
	2 OR MORE PAYS						21	0	1							
ALBION NORTHWEST, EDWARDS, 1S, 10E																
	MCCLOSKEY, MIS	3300	1967				3	3	0		3		L	6		MIS 3400
ALBION WEST, EDWARDS, 3S, 10E																
	MCCLOSKEY, MIS	3375	1953	10	0.0	1.4	1	0	0		0		L	5		MIS 3420
				ABO 1953												
*ALLEDALE, WABASH, LAWRENCE, 1-2N, 11-13W			1912	9040	351.1	20813.1	1064	7	18		390				AM	MIS 3057
	PLEASANTVIEW, PEN	660		5090			3	0					S	30	AM	
	BRIDGEPORT, PEN	1070		#				0					S	12	AM	
	BUCHANAN, PEN	1290		#				0					S	15	AM	
	BIEM, PEN	1450		#			676	2				35	S	20	AM	
	JORDAN, PEN	1490		#			22	0					S	10	AM	
	WALERSBURG, MIS	1540		310			28	0					S	15	AM	
	TAR SPRINGS, MIS	1600		240			20	0					S	20	AM	
	HARDINSBURG, MIS	1780		10			2	0					S	10	AM	
	CYPRESS, MIS	1920		1760			75	1				36	S	10	AM	
	SAMPLE, MIS	1769		1250			11	0					S		AM	
	BETHEL, MIS	2010		#			94	2				37	S	10	AM	
	AUX VASES, MIS	2280		40			5	0					S	12	AM	
	OHARA, MIS	2300		760			14	0					L	10	AM	
	SPAR MTN, MIS	2300		#			6	0					LS	5	AM	
	MCCLOSKEY, MIS	2300		#			23	0				37	L	8	AM	
	ST LOUIS, MIS	2275	1967	10			1	1					L	15		
	SALEM, MIS	2774	1966	40			4	2					L	10		
	WARSAW, MIS	2806	1966	20			2	0					L	12		
	2 OR MORE PAYS						21	1								
ALMA, MARION, 4N, 2E			1941	60	0.0	82.0	6	0	0		1				A	DEV 3692
	CYPRESS, MIS	1805		10			1	0	0				S	7	AL	
	BENOIST, MIS	1945		50			6	0	0				S	8	AL	
	SPAR MTN, MIS	2085		40			2	0	0			36	0.26	L	10	AC
AMITY, RICHLAND, 4N, 14W																
	MCCLOSKEY, MIS	2960	1942	60	1.3	42.2	4	0	0		1	36	OL	5	MC	MIS 3089
AMITY S, RICHLAND, 4N, 14W																
	SPAR MTN, MIS	2890	1953	10	0.0	0.1	1	0	0		0		L	4		MIS 3010
				ABO 1953												
AMITY W, RICHLAND, 4N, 14W																
	AUX VASES, MIS	2925	1953	10	0.0	0.0	1	0	0		0		S	12		MIS 3100
				ABO 1954												
ASHLEY, WASHINGTON, 2S, 1W																
	BENOIST, MIS	1430	1953	210	13.6	364.4	15	0	0		14		S	7		DEV 3116
ASHMORE E, COLES, 13N, 14W																
	PENNSYLVANIAN	415	1956	30	0.0	0.0	3	0	0				S	14		PFN 484
				ABO 1957, REV 1962												

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
ASTHORE S +, COLES, CLARK, 12N, 10-11E, 14W																
	LNNAGEO, PEN	420	1958	290	1.9	35.7	19	0	0	17					TRN	2760
	MISSISSIPPIAN	475	1963	290 20			18 1	0 0	0 0		24	S I	17	AL		
ASSUMPTION CEN, CHRISTIAN, 13N, 1E																
	DEVONIAN	2433	1961	10 ABO 1961	0.0	0.0	1	0	0	0		L	4		DEV	2437
*ASSUMPTION C, CHRISTIAN, 13-14N, 1E																
	BENOIST, MIS	1050	1948	2400	288.7	9073.1	183	1	9	96				A	DRD	3070
	SPAR PTN, MIS	1170		590			46	0	0		40	S	13	A		
	LINGLE, DEV	2300		220			17	0	0		38	S	4	AL		
	2 OR MORE PAYS		1963	2240			122	1	9		40	I	8	A		
							1	0	0							
ASSUMPTION S, CHRISTIAN, 12N, 1E																
	LINGLE, DEV	2630	1951	50	0.7	16.7	3	0	0	1	30	L	15		DEV	2740
AVA-CAMPBELL HILL +, JACKSON, 7S, 3-4W																
	CYPRESS, MIS	780	1916	140 ABD 1943, REV 1956, ABD 1957	0.0		16	0	0	0		S	18	A	TRN	2582
BALDWIN, RANCOLPH, 4S, 6W																
	SILURIAN	1535	1954	30	0.3	9.5	3	0	0	1		L		R	TRN	2236
*BARNHILL, WAYNE, WHITE, 2-3S, 8E																
	AUX VASES, MIS	3325	1939	1890	105.2	5775.9	160	3	13	40				A	DEV	5500
	OHARA, MIS	3370		950			75	2	5			S	15	AL		
	SPAR PTN, MIS	3400		1140			8	0	0			OL	6	AC		
	MCCLOSKEY, MIS	3450		#			10	0	1			LS	9	AC		
	ST LOUIS, MIS	3520		#			74	0	9		38	OL	15	AC		
	SALEM, MIS	3795		10			1	0	0			L	7	AC		
	2 OR MORE PAYS			30			3	1	0		30	L	8	AC		
							12	0	1							
*BARTELSON, CLINTON, 1-2N, 3W																
	CARLYLE (CYP), MIS	935	1936	570	21.4	3880.3	107	1	1	40				D	STP	4217
	SILURIAN	2420		370			70	0	0		36	0.20	S	15	0	
				380			38	1	1		42	0.27	L	12	R	
*BARTELSON E, CLINTON, 1N, 3W																
	SILURIAN	2550	1950	210	16.7	817.9	21	0	1	18	42		L	7	R	SIL
BARTELSON S, CLINTON, 1N, 3W																
	DEVONIAN	2475	1942	60 ABO 1962	0.0	23.7	3	0	0	0	40	0.15	L	3	A	DEV
BARTELSON W, CLINTON, 1N, 3-4W																
	CYPRESS, MIS	960	1945	260	3.4	66.8	19	0	0	10				A	DEV	2600
	SILURIAN	2439	1961	260			16	0	0			S	15	A		
				10			1	0	0			L	7	A	DEV	2600
*BEAUCOUP, WASHINGTON, 2S, 2W																
	CLEAR CREEK, DEV	3050	1951	280	0.9	361.8	14	0	0	14				A	TRN	4192
	TRENTON, DR	4095		280			14	0	0			L	17	A		
	2 OR MORE PAYS			10			1	0	0			L	5	A		
							1	0	0							
*BEAUCOUP S, WASHINGTON, 2S, 2W																
	BENOIST, MIS	1430	1951	260	25.9	874.3	22	0	1	13		S	9	AL	DEV	3127
*BEAVER CREEK, BOND, CLINTON, 3-4N, 2-3W																
	BENOIST, MIS	1130	1942	180	3.4	237.3	16	0	0	7	34	0.25	S	6	A	SIL
BEAVER CREEK N, BOND, 4N, 3W																
	BENOIST, MIS	1115	1949	80 ABO 1954, REV 1958	0.0	0.7	6	0	1	1		S	4	A	DEV	2556

TABLE B - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*BEAVER CREEK S 4, CLINTON, BONO, 3-4N, 2-3W																
			1946	550	18.1	588.9	50	1	0	27			A	SIL	2606	
	CYPRESS, MIS	1005		10	0.0	0.0	1	0	0			S	20	A		
	BENOIST, MIS	1140		540	18.1	588.9	49	1	0			S	5	A		
BECKEMEYER CAS 4, CLINTON, 2N, 3W																
	CYPRESS, MIS	1070	1956	10	0.0	0.0	1	0	0	0		S	23	SIL	2730	
*BELLAIR, CRAWFORD, JASPER, 8N, 14W																
			1907	2220			535	4	0	64			AM	MIS	2700	
	(500 FT), PEN	560		2130			315	1	0		32	S	30	AM		
	(800 FT), PEN	815		#			76	0	0			S		AM		
	(900 FT), MIS	885					189	1	0		37	S		AM		
	CYPRESS, MIS	950		40			3	2	0			S	4	AM		
	BENOIST, MIS	1000		405			4	0	0			S	10	AM		
	RENAULT, MIS	830		30			6	0	0			S	6	AM		
	AUX VASES, MIS	800		220			11	0	0			S		AM		
	OHARA, MIS	860		30			1	0	0			L	4	A		
SEE CLARK COUNTY DIV. FOR PRODUCTION																
BELLE PRAIRIE, HAMILTON, 4S, 6-7E																
			1940	290	28.7	798.1	19	2	0	9			A	DEV	5493	
	AUX VASES, MIS	3250		30			3	0	0		37	S	8	AC		
	MCCLOSKY, MIS	3420		260			17	2	0		37	0.12	6	AC		
	2 OR MORE PAYS						1	0	0							
BELLE PRAIRIE W, HAMILTON, 4S, 5E																
	HARRODSBURG, MIS	4206	1959	10	0.0	0.5	1	0	0	0		L	6	MIS	4399	
ABD 1960																
BELLE RIVE, JEFFERSON, 3S, 4E																
	MCCLOSKY, MIS	3085	1943	110	1.9	376.7	6	0	0	4	39	0.50	6	AC	MIS	4200
BELLMONT, WABASH, 1S, 13-14W																
			1951	30	0.0	73.0	4	0	0	1			M	MIS	3006	
	BETHEL, MIS	2650		10	0.0	11.0	1	0	0			S	7	ML		
	OHARA, MIS	2840		20	0.0	62.0	3	0	0			L	7	MC		
*BEMAN, LAWRENCE, 3N, 11W																
			1942	530	5.0	294.2	33	0	5	12			A	MIS	2000	
	AUX VASES, MIS	1805		100			8	0	0			S	20	AL		
	STE. G, MIS	1850		440			29	0	5		38	L	7	AC		
	2 OR MORE PAYS						7	0	0							
BEMAN E, LAWRENCE, 3N, 10W																
			1947	100	2.2	114.8	7	0	0	2			A	MIS	1924	
	AUX VASES, MIS	1805		30			3	0	0			S	20	AL		
	STE. G, MIS	1860		110			6	0	0			L	7	AC		
	2 OR MORE PAYS						2	0	0							
ABD 1960, REV 1965																
BENNINGTON S, EDWARDS, 1N, 10E																
	MCCLOSKY, MIS	3240	1944	10	0.0	10.4	1	0	0	0		L	8	MC	MIS	3420
ABD 1946																
*BENTON, FRANKLIN, 6S, 2-3E																
			1941	2360	470.0	38687.3	264	2	0	86			A	TDN	6250	
	PENNSYLVANIAN	1700		20			2	0	0			S	9	AL		
	TAR SPRINGS, MIS	2100		2360			244	0	0		38	S	10	A		
	AUX VASES, MIS	2752	1959	300			21	1	0			S	15	A		
	OHARA, MIS	2804	1959	190			13	1	0			L	8	A		
	MCCLOSKY, MIS	2906	1960	#			5	0	0			DI	4	AC		
	ST. LOUIS, MIS	2990	1960	10			1	0	0			L	6	A		
	HARRODSBURG, MIS	3705	1960	10			1	0	0			L	5	A		
	2 OR MORE PAYS						15	0	0							
*BENTON N, FRANKLIN, 5-6S, 2E																
			1941	630	279.4	2750.5	65	1	9	42			A	MIS	3700	
	CYPRESS, MIS	2460		100			13	0	0			S	17	A		
	PAINT CREEK, MIS	2501	1962	180			3	1	3			S	8			
	BETHEL, MIS	2600		#			19	0	0		38	0.15	20	AL		
	AUX VASES, MIS	2685		140			11	1	3		37	0.15	10	A		
	OHARA, MIS	2730		460			13	0	4		37	0.70	8	A		
	SPAR MTN, MIS	2775		#			8	0	1		38	0.15	6	A		
	MCCLOSKY, MIS	2800		#			19	0	3			L	10	A		
	2 OR MORE PAYS						15	0	3							

TABLE B - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test		
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)		
*BONE GAP C, EDWARDS, 1S, 10-11E, 14W																	
			1941	1120	30.1	2339.0	61	0	0	19			A	MIS	3350		
	PENNSYLVANIAN	2110		10	0.0	2.0	1	0	0			S	8	AL			
	WALTERSBURG, MIS	2310		170			17	0	0		35	S	20	A			
	CYPRESS, MIS	2710		100			7	0	0			S	10	A			
	BETHEL, MIS	2880		40			3	0	0			S	14	AL			
	AUX VASES, MIS	3020		10			1	0	0			S	9	AL			
	OHARA, MIS	3040		820			4	0	0			L	5	AC			
	SPAR MTN, MIS	3045		#			5	0	0			L	5	AC			
	MCCLOSKY, MIS	3200		#			24	0	0		41	0.33	L	6	AC		
	2 OR MORE PAYS						2	0	0								
BONE GAP E, EDWARDS, 1S, 14W																	
			1951	20	0.0	13.0	2	0	0	0			M	MIS	3156		
	OHARA, MIS	2980		20	0.0	13.0	1	0	0			L	10	MC			
	MCCLOSKY, MIS	3050		#	0.0	0.0	1	0	0			L	5	MC			
				ABD 1956													
BONE GAP W, EDWARDS, 1S, 10E																	
	STE. GEN, MIS	3290	1954	90	1.5	29.2	4	0	0	3			L	5	MIS	2504	
				ABD 1955, REV 1964													
*BOULDER +, CLINTON, 2-3N, 2W																	
			1941	580	0.0	8120.0	55	0	0	0			0	TPN	3813		
	BENOIST, MIS	1190		500			33	0	0		36	S	20	D			
	GENEVA, DEV	2630		470			22	0	0		28	0.33	0	7	R		
	SILURIAN	2700		40								L					
				ABD 1965													
BOULDER E +, CLINTON, 3N, 1W																	
	DEVONIAN	2850	1955	50	18.9	122.4	5	0	0	3			L	5	DEV	2946	
*BOURBON C, DOUGLAS, 15N, 7E																	
	SPAR MTN, MIS	1600	1956	930	10.2	1734.1	84	0	2	20	34		L	12	NC	MIS	2275
BOURBON S, DOUGLAS, 15N, 7E																	
	SPAR MTN, MIS	1693	1960	10	0.0	0.0	1	0	0	0			S	12	NC	MIS	1706
				ABD 1964													
BOWYER, RICHLAND, 5N, 14W																	
	SPAR MTN, MIS	2883	1958	10	0.0	11.2	1	0	1	0	36		S		MIS	2950	
				ABD 1967													
*BOYO, JEFFERSON, 1S, 1-2E																	
			1944	1460	55.7	14612.2	119	1	0	36			A	TPN	5400		
	BENOIST, MIS	2060		1450			113	0	0		39	0.14	S	19	A		
	AUX VASES, MIS	2130		620			45	0	0		39		S	15	A		
	OHARA, MIS	2230		30			24	0	0		39		L	2	AC		
	TRENTON	5000	1967	10			1	1	0								
	2 OR MORE PAYS						36	0	0								
BROUGHTON, HAMILTON, 6S, 7E																	
	MCCLOSKY, MIS	3275	1951	10	0.0	5.7	1	0	0	0			L	5	MIS	3355	
				ABD 1954													
BROUGHTON S, SALINE, 7S, 7E																	
	MCCLOSKY, MIS	3215	1951	10	0.0	0.0	1	0	0	0			L	4	MIS	3300	
				ABD 1952													
*BROWN, MARION, 1N, 1E																	
	CYPRESS, MIS	1670	1910	10	3.2		12	0	0	10			S	N	MIS	2036	
*BROWNS, EDWARDS, WABASH, 1-2S, 14W																	
			1943	1060	66.2	2411.7	68	0	2	35			A	DEV	5200		
	BIEHL, PEN	1870	1962	10			1	0	0				S	8			
	TAR SPRINGS, MIS	2365		40			1	0	0				S	14	AL		
	CYPRESS, MIS	2640		380			25	0	0		35	0.18	S	13	A		
	BETHEL, MIS	2785		80			5	0	0		35		S	12	AL		
	AUX VASES, MIS	2965		10			1	0	0				S	7	AL		
	OHARA, MIS	2965		770			13	0	2				L	4	AC		
	SPAR MTN, MIS	2975		#			1	0	0				L	3	AC		
	MCCLOSKY, MIS	3000		#			35	0	0		35		L	6	A		
	2 OR MORE PAYS						10	0	0								
*BROWNS E, WABASH, 1-2S, 14W																	
			1946	780	12.7	2768.4	70	1	6	23					MIS	3113	

TABLE B - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of dis- covery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone	Deepest test		
	Name and age	Depth (ft)			During 1967	To end of 1967	Com- pleted to end of 1967	Com- ple- ted in 1967	Aban- doned 1967	Pro- ducing end of year	Gr. Sulfur			Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
											API	(%)				
(CONTINUED FROM PREVIOUS PAGE)																
*BROWNS E, WABASH, 1-2S, 14W	PENNSYLVANIAN	1844	1963	10			1	0	0			S				
	CYPRESS, MIS	2570	1946	770			69	1	6		36	S	13	ML		
BROWNS S, EDWARDS, 2S, 14W																
			1943	40	0.0	21.0	4	0	0	1			N	MIS	309	
	BETHEL, MIS	2850		20			2	0	0			S	15	NL		
	AUX VASES, MIS	2950		30			3	0	0			S	8	NL		
	2 OR MORE PAYS						1	0	0							
BUCKHORN, BROWN, 1S, 4W																
	SILURIAN	682	1961	10	0.0	0.0	1	0	0	0		D	3	STL	700	
				ABD 1964												
BUCKNER, FRANKLIN, 6S, 2E																
	AUX VASES, MIS	2601	1963	40	2.2	7.3	3	0	0	3		S	12	MIS	2776	
BULPITT S, CHRISTIAN, 13N, 3W																
	DEV-SIL	1911	1962	60	0.0	3.4	4	0	0	2		L	15	DEV	1975	
*BUNGAY C, HAMILTON, 4S, 7E																
			1941	3250	241.3	12982.8	252	1	5	117			A	DEV	5566	
	RENAULT, MIS	3270		550			22	1	0				S	10	AL	
	AUX VASES, MIS	3295		2730			193	0	5		37	0.24	S	15	AL	
	CHARA, MIS	3335		320			4	0	0				L	8	AC	
	SPAR MTN, MIS	3400		#			3	0	0				L	8	AC	
	MCCLOSKEY, MIS	3425		#			15	0	0		37	0.24	L	8	AC	
	HARRODSBURG, MIS	4190	1959	10			1	0	0				L	10	AC	
	2 OR MORE PAYS						8	0	0							
BURNT PRAIRIE S, WHITE, 4S, 9E																
			1947	30	0.3	27.7	4	0	0	1						
	AUX VASES, MIS	3330		10	0.3	10.7	1	0	0			S	24	MIS	3565	
	OHARA, MIS	3415		30	0.0	10.0	1	0	0			L	6			
	MCCLOSKEY, MIS	3460		#	0.0	7.0	2	0	0			L	4			
CALHOUN CEN, RICHLAND, 2N, 10E																
			1950	30	0.0	0.5	3	0	0	0						
	SPAR MTN, MIS	3245		30	0.0		2	0	0			L	6	MC	MIS	3533
	MCCLOSKEY, MIS	3280		#	0.0		1	0	0			L	3	MC		
				ABD 1952, REV AND ABD 1959												
*CALHOUN C, RICHLAND, WAYNE, 2-3N, 9-10E																
			1944	1910	24.0	3945.9	104	1	5	11			A	MIS	4039	
	CHARA, MIS	3140		1910			22	0	1				OL	9	A	
	SPAR MTN, MIS	3160		#			24	0	0				OL	6	A	
	MCCLOSKEY, MIS	3180		#			62	1	4		38	0.15	OL	10	A	
	ST LOUIS, MIS	3370	1967	10			1	1	1				L	9		
	SALEM, MIS	3730	1967	10			1	1	1				L	8		
	2 OR MORE PAYS						15	1	1							
*CALHOUN E, RICHLAND, 2N, 10-11E																
	MCCLOSKEY, MIS	3265	1950	90	0.1	221.1	5	0	1	2	30		L	5	MC	MIS
CALHOUN N, RICHLAND, 3N, 10E																
			1944	60	4.9	75.4	3	0	0	1						
	SPAR MTN, MIS	3155		60			1	0	0				LS	10	A	MIS
	MCCLOSKEY, MIS	3170		#			3	0	0				OL	11	A	3280
	2 OR MORE PAYS						1	0	0							
*CALHOUN S, WAYNE, RICHLAND, EDWARDS, 1-2N, 9E																
			1953	490	58.3	465.3	27	0	2	21						
	AUX VASES, MIS	3175	1953	20			2	0	0				L	5		MIS
	CHARA, MIS	3232	1963	470			4	0	0				L	8		3666
	SPAR MTN, MIS	3224	1962	#			13	0	0				L	5		
	MCCLOSKEY, MIS	3209	1961	#			17	0	2				OL	6		
	2 OR MORE PAYS						9	0	0							
				ABD 1953, REV 1961												
CARLINVILLE +, MACOUPIN, 9N, 7W																
	UNNAMEO, PEN	380	1909	40			8	0	0	3	28		S	A	MIS	1380
							ABD 1925, REV 1942									

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test			
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)			
CARLINVILLE N 4, MACOUPIN, 10N, 7W	POTTSVILLE, PEN	440	1941	100	0.0	1.0		1	0		0	20	0.35	S	10	TRN	1970	
				ABO 1954														
CARLINVILLE S, MACOUPIN, 9N, 7W	PENNSYLVANIAN	539	1958	10	0.0	0.0		1	0	0	0			S		PFN	1020	
				ABO 1964														
*CARLYLE, CLINTON, 2N, 3W																		
	GOLCONDA, MIS	900	1911	1220	15.3	4036.7		189	0	1	24					A	STP	4120
	CARLYLE(CYP), MIS	1035		10				6	0	0				L	10	AC		
	2 OR MORE PAYS			1220				184	0	1		35	0.26	S	20	AL		
								1	0	0								
CARLYLE E, CLINTON, 2N, 2W	BENOIST, MIS	1197	1963	10	0.0	0.0		1	0	0	1			S	4	MIS	1245	
*CARLYLE N, CLINTON, 3N, 3W																		
	BENOIST, MIS	1150	1950	530	24.2	758.9		45	0	0	37	36		S	6	AL	DFV	2558
CARLYLE S, CLINTON, 1N, 3W	CYPRESS, MIS	1075	1951	20	0.0	2.0		2	0	0	0			S	4	MIS	1194	
				ABO 1953														
*CARMi, WHITE, 5S, 9E																		
	PENNSYLVANIAN	1210	1939	240	12.3	324.8		19	0	0	5					M	MIS	3546
	CYPRESS, MIS	2800		10				1	0	0				S	10	ML		
	AUX VASES, MIS	3145		90				7	0	0				S	15	ML		
	MCCLOSKEY, MIS	3150		40				4	0	0				S	8	ML		
				100				7	0	0				OL	6	MC		
				ABO 1949, REV 1952														
CARMi N, WHITE, 5S, 9E																		
	CYPRESS, MIS	2940	1942	80	3.1	266.0		6	0	0	3					A	MIS	3452
	SAMPLE, MIS	3080		20				1	0	0		38		S	13	AF		
	AUX VASES, MIS	3270		10				1	0	0				S	12	AF		
	2 OR MORE PAYS			60				5	0	0		37	0.14	S	14	AF		
								1	0	0								
*CASEY, CLARK, 10-11N, 14W																		
	UPPER GAS, PEN	265	1906	3030				510	0	0	241					AM	TRN	2609
	LOWER GAS, PEN	300		2720				43	0	0		32		S		AM		
	CASEY, PEN	445		#				86	0	0		30		S		AM		
	CARPER, MIS	1300		#				371	0	0		32		S	10	AM		
				250				20	0	0				S	50	AM		
				SEE CLARK COUNTY DIV FOR PRODUCTION														
*CENTERVILLE, WHITE, 4S, 9E																		
	AUX VASES, MIS	3240	1940	190	1.5	522.1		13	0	1	1					N	MIS	3919
	OHARA, MIS	3310		10				1	0	0				S	6	NL		
	SPAR MTN, MIS			190				6	0	0				L	10	NC		
	MCCLOSKEY, MIS	3370		#				2	0	0				L		NC		
	2 OR MORE PAYS			#				6	0	1		40	0.17	OL	4	NC		
								2	0	0								
*CENTERVILLE E, WHITE, 3-4S, 9-10E																		
	PALESTINE, MIS	2225	1941	1260	241.3	7556.0		135	0	2	62					A	MIS	3427
	TAR SPRINGS, MIS	2500		20				2	0	0				S	3	ALF		
	HAROINSBURG, MIS	2615		820				35	0	2		37	0.20	S	24	ALF		
	CYPRESS, MIS	2915		40				1	0	0				S	22	ALF		
	BETHEL, MIS	2990		630				46	0	1		36		S	6	ALF		
	AUX VASES, MIS	3075		220				20	0	0		36		S	20	ALF		
	OHARA, MIS	3175		530				38	0	0		36		S	21	ALF		
	SPAR MTN, MIS	3185		320				4	0	0		36		OL	5	ACF		
	MCCLOSKEY, MIS	3230		#				1	0	0				LS	6	ACF		
	2 OR MORE PAYS			#				16	0	0		37		OL	7	ACF		
								19	0	1								
CENTERVILLE N, WHITE, 3S, 10E	BETHEL, MIS	2990	1947	10	0.0	0.0		1	0	0	0			S	13	ML	MIS	3290
				ABO 1948														
CENTERVILLE N E, WHITE, 3S, 10E	BETHEL, MIS	3055	1955	10	0.0	5.6		1	0	0	0			S	14	MIS	3407	
				ABO 1959														

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*CENTRAL CITY, MARION, 1N, 1E																
	PENNSYLVANIAN	826	1964	90	5.5	26.1	8	0	0	8		S	10	MIS	1942	
*CENTRALIA, CLINTON, MARION, 1-2N, 1E, 1W																
			1937	2980	537.0	54112.1	1020	0	3	293				A	ORD	4170
	PETRO, PEN	765	1958	30			4	0	0			S		A		
	CYPRESS, MIS	1200		1530			57	0	1		36	0.20	S	12	A	
	BENOIST, MIS	1355		2510			576	0	1		37	0.17	S	20	A	
	DEVONIAN	2870		2610			319	0	0		40	0.38	L	9	A	
	TRENTON, ORD	3930		1100			59	0	1		40		L	22	A	
	2 OR MORE PAYS						2	0	0							
CENTRALIA W, CLINTON, 1N, 1W																
			1940	90	1.3	410.6	10	0	0	1				N	DEV	3021
	CYPRESS, MIS	1308	1960	10			1	0	0			S		N		
	BENOIST, MIS	1440	1940	90			9	0	0		39	0.17	S	9	N	
CHESTERVILLE, COUGLAS, 15N, 7E																
	SPAR MTN, MIS	1780	1956	50	0.5	34.3	5	0	0	1		LS	8	ML	MIS	1929
*CHESTERVILLE E, COUGLAS, 14-15N, 7-8E																
	SPAR MTN, MIS	1720	1957	400	31.5	1053.4	41	0	0	27	39	S	10	NC	MIS	1785
CHRISTOPHER S, FRANKLIN, 7S, 1E																
			1964	30	1.7	8.5	3	0	0	2					MIS	2920
	AUX VASES, MIS	2620	1964	30			3	0	0			S	8			
	OHARA, MIS	2690	1964	30			1	0	0			L	10			
	2 OR MORE PAYS						1	0	0							
CLARK COUNTY OIL, CLARK, COLES, CRAWFORD, CUMBERLAND, JASPER																
					26740	593.5	82549.5	5692	17	6	1804				STP	3411
					TOTALS BELLAIR CASEY JOHNSON N,S MARTINSVILLE SIGGINS WESTFIELD YORK POOLS											
CLARKSBURG, SHELBY, 10N, 4E																
	AUX VASES, MIS	1770	1946	40	3.6	46.8	4	0	0	3	34	S	6	A	DEV	3206
*CLAY CITY C, CLAY, WAYNE, RICHLAND, JASPER, 1-7N, 1-2S, 6-11E																
			1937	86790			5575	168	149	2585				A	PC	11614
	WALTERSBURG, MIS	2175		10	7007.0	264936.7	1	0	0			S		AL		
	TAR SPRINGS, MIS	2560		130			8	0	0	37		S		AL		
	CYPRESS, MIS	2635		7690			534	6	11	34		S		AL		
	BETHEL, MIS	2800		130			13	0	0			S		AL		
	AUX VASES, MIS	2940		27690			1843	47	80	39		S		AL		
	OHARA, MIS	3020		60450			197	6	11	38		OL		AC		
	SPAR MTN, MIS	3030		#			566	24	15	38		LS		AC		
	MCCLOSKEY, MIS	3050		#			2757	67	43	40		OL		AC		
	ST. LOUIS, MIS	3025	1949	1950			176	39	9			L		A		
	SALEM, MIS	3590		2270			172	34	2	38		L		AL		
	WARSAW, MIS	3600		30			3	1	0			L		A		
	DEVONIAN	4350		20			1	0	0			L		A		
	2 OR MORE PAYS						428	44	17							
CLIFFORD, WILLIAMSON, 8S, 1E																
			1957	40	0.0	15.0	2	0	0	0					MIS	2625
	AUX VASES, MIS	2380	1957	40			2	0	0			S				
	SPAR MTN, MIS	2470	1957	20			1	0	0			LS				
	MCCLOSKEY, MIS	2540	1957	#			1	0	0			L				
	2 OR MORE PAYS						1	0	0							
				ABO	1965											
*COIL, WAYNE, 1S, 5E																
			1942	310	60.6	1684.8	20	2	1	13				A	MIS	3250
	AUX VASES, MIS	2910		300			19	2	1		39	0.12	S	10	A	
	MCCLOSKEY, MIS	3065		10			1	0	0			OL		AC		
COIL N, WAYNE, 1N-1S, 5E																
	AUX VASES, MIS	2841	1958	60	9.4	135.6	6	0	0	5		S			MIS	3077
*CCIL W, JEFFERSON, 1S, 4E																
			1942	420	2.3	754.2	37	15	0	2				A	MIS	3389
	AUX VASES, MIS	2720		180			15	2	0			S		AL		
	OHARA, MIS	2790		220			11	1	0			L		AC		

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*COIL W, JEFFERSON, 1S, 4E (CONTINUED FROM PREVIOUS PAGE)																
	SPAR MTN, MIS	2805		#			2	0	0				L		AC	
	MCCLOSKEY, MIS	2880		#			13	0	0				L	8	AC	
	ST LOUIS, MIS	3040	1967	130			13	13	0				L	7		
	SALEM, MIS	3346	1961	20			1	0	0				L	10	A	
	2 OR MORE PAYS						8	2	0							
COLLINSVILLE, MADISON, 3N, 8W																
	SILURIAN	1305	1909	40	0.0	1.0	6	0	0	0			L	20	ML STP 2177	
				ABO 1921												
*COLMAR-PLYMOUTH, HANCOCK-MCDONOUGH, 4-5N, 4-5W																
	HOING, DEV	450	1914	2520	38.8	4617.3	503	0	0	195	38	0.38	S	14	AL SHK 1095	
*CONCORO C, WHITE, 6S, 10E																
			1942	1840	99.0	7843.8	166	1	17	78				A	MIS 3138	
	TAR SPRINGS, MIS	2270		350			26	0	6		36		S	11	AL	
	HARDINSBURG, MIS	2510		350			30	0	0				S	7	A	
	CYPRESS, MIS	2625		270			19	0	1				S	10	AL	
	AUX VASES, MIS	2905		670			48	1	4		36	0.15	S	14	AL	
	OHARA, MIS	2930		1080			2	0	0				L	8	AC	
	SPAR MTN, MIS	3035		#			3	0	0				L	8	AC	
	MCCLOSKEY, MIS	2990		#			56	0	8		37		L	10	AC	
	2 OR MORE PAYS						16	0	2							
CONCORO E C, WHITE, 6-7S, 10E																
			1942	420	19.1	801.5	39	0	1	20				A	MIS 3125	
	WALTERSBURG, MIS	2140		40			4	0	0		37		S	10	A	
	TAR SPRINGS, MIS	2175		70			5	0	0				S	4	A	
	CYPRESS, MIS	2540		190			18	0	1				S	6	A	
	RENAULT, MIS	2800		20			2	0	0				L	6	A	
	AUX VASES, MIS	2825		70			7	0	0				S	12	A	
	OHARA, MIS	2895		120			3	0	0				L	6	AC	
	SPAR MTN, MIS	2895		#			5	0	0				S	5	AC	
	MCCLOSKEY, MIS	2965		#			3	0	0				L	2	AC	
	2 OR MORE PAYS						7	0	0							
*COOKS MILLS C, COLES, ODOUGLAS, 13-14N, 7-8E																
			1941	3060	37.8	2831.7	244	3	3	175				A	DEV 3059	
	CYPRESS, MIS	1600		10			1	0	0				S	20	A	
	AUX VASES, MIS	1765		10			2	0	0				S	15	A	
	SPAR MTN, MIS	1800		3020			238	3	3		36		S	9	A	
	MCCLOSKEY, MIS	1840	1955	#			1	0	0				L	4	A	
	CARPER, MIS	2700	1963	20			1	0	0				S	5		
	DEVONIAN	2867	1963	20			2	0	0				L	3		
	2 OR MORE PAYS						2	0	0							
*CORDES, WASHINGTON, 3S, 3W																
	BENOIST, MIS	1260	1939	1630	139.0	9302.5	155	0	1	52	36	0.19	S	14	A TRN 3880	
CORINTH, WILLIAMSON, 8S, 4E																
			1957	190	8.6	228.2	14	1	0	13					MIS 3550	
	AUX VASES, MIS	2885		180			13	1	0				S	10		
	OHARA, MIS	2929		40			1	0	0				L			
	SPAR MTN, MIS	2985	1957	#			2	0	0				L	10		
	2 OR MORE PAYS						3	0	0							
CORINTH E, WILLIAMSON, 8S, 4E																
	MCCLOSKEY, MIS	3035	1957	10	0.0	10.6	1	0	0	0			L	10	MIS 3113	
				ABO 1960												
CORINTH N, WILLIAMSON, 8S, 4E																
	AUX VASES, MIS	2935	1957	10	0.0	3.7	1	0	0	0			S	16	MIS 3180	
				ABO 1960												
COTTAGE GROVE, SALINE, 9S, 7E																
	OHARA, MIS	2770	1955	10	0.0	12.5	1	0	0	0			L		MIS 2977	
				ABO 1963												
COULTERVILLE N, WASHINGTON, 3S, 5W																
	SILURIAN	2290	1958	4	0.1	27.1	4	0	1	2			L		ORD 3204	
*COVINGTON S, WAYNE, 2S, 6E																
			1943	510	11.9	389.5	18	0	1	5				AC	DEV 5300	

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

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Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells			Character of oil		Pay zone		Deepest test		
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
(CONTINUED FROM PREVIOUS PAGE)																
*COVINGTON S, WAYNE, 2S, 6E																
	MCCLOSKEY, MIS	3310	1943	420			12	0	1		39	0.18	L	5	AC	
	ST. LOUIS, MIS	3361	1962	10			1	0	0				L	4		
	HARRODSBURG, MIS	4148	1960	80			5	0	0				L	12	AC	
CPAIG, PERRY, 4S, 4W																
	TRENTON, ORD	3650	1944	10	0.1	2.9	2	0	1		0	35	L	20	A	ORD 3735
ABO 1951, REV 1965, ABO 1967																
CRAVAT, JEFFERSON, 1S, 1E																
	BENDIST, MIS	2070	1939	120	1.9	371.1	11	0	0		6	35	0.23	S	10	A DEV 3950
CRAVAT W, JEFFERSON, 1S, 1E																
			1956	140	5.2	110.7	15	0	0	14						MIS 2382
	PENNSYLVANIAN	1045	1956	130	5.2	110.7	14	0	0				S	10		
	BETHEL, MIS	2070	1960	10	0.0	0.0	1	0	0				S	10		
CROSSVILLE, WHITE, 4S, 10E																
			1946	110	0.0	16.0	11	0	0	0						MIS 3283
	BETHEL, MIS	2890		40	0.0		3	0	0				S	9	ML	
	AUX VASES, MIS	3030	1956	30	0.0		3	0	0				S	20	ML	
	CHARA, MIS	3100		80	0.0		1	0	0				L	3	MC	
	MCCLOSKEY, MIS	3120		#	0.0		4	0	0				L	5	MC	
	2 OR MORE PAYS						1	0	0							
ABO 1952, REV 1956, ABO 1958																
*CROSSVILLE W, WHITE, 4S, 10E																
			1952	210	19.5	352.0	15	0	3	7						MIS 3292
	AUX VASES, MIS	3030		130			9	0	3				S	9	ML	
	CHARA, MIS	3110	1958	120			1	0	0				L		M	
	SPAR MTN, MIS	3102	1958	#			1	0	0				L		M	
	MCCLOSKEY, MIS	3185	1956	#			7	0	0				L		MC	
	2 OR MORE PAYS						2	0	0							
ABO 1953, REV 1956																
CAHLGREN, HAMILTON, 3S, 5E																
			1941	610	0.1	1202.1	44	0	0	2						DEV 5299
	MCCLOSKEY, MIS	3300		610	0.1	1200.0	43	0	0		39	0.16	L	11	A	
	HARRODSBURG, MIS	4110	1956	10	0.0	2.0	1	0	0				L	15	A	
CAHLGREN W, JEFFERSON, 4S, 4E																
	HARRODSBURG, MIS	4019	1960	20	0.0	30.5	2	0	0	1			L	6		DEV 5245
*DALE C, FRANKLIN, HAMILTON, SALINE, 5-7S, 4-7E																
			1940	18070	4487.0	88522.9	1579	11	55	765						PC 13051
	TAP SPRINGS, MIS	2430		480			41	0	1				S	25	A	
	HARRODSBURG, MIS	2480		120			12	0	0				S	10	A	
	CYPRESS, MIS	2700		1500			118	1	0				S	15	A	
	BETHEL, MIS	2975		3400			281	4	3	39	0.10	S	18	A		
	AUX VASES, MIS	3150		16170			1283	9	48	39	0.15	S	20	A		
	CHARA, MIS	3110		3720			103	0	3	38	0.22	L	10	A		
	SPAR MTN, MIS	3130		#			14	0	2	38		LS	7	A		
	MCCLOSKEY, MIS	3150		#			146	2	2	40	0.10	L	7	A		
	ST. LOUIS, MIS	3163	1965	20			2	0	0				L			
	2 OR MORE PAYS						178	6	25							
DECATUR, MACON, 16-17N, 2E																
	SILURIAN	2000	1953	110	0.0	15.0	6	0	0	0			L	7	MU	ORD 2800
ABO 1959																
DECATUR N, MACON, 17N, 3E																
	SILURIAN	2200	1954	10	0.0	0.1	1	0	0	0			L	10	MU	SIL 2240
ABO 1955																
*DEERING CITY, FRANKLIN, 7S, 3E																
			1957	110	1.4	264.7	8	0	0	7						MIS 3146
	AUX VASES, MIS	2810	1957	80			6	0	0				S	20		
	MCCLOSKEY, MIS	2913	1963	30			2	0	0				ML	4		
*DIVIDE C, JEFFERSON, 1S, 3-4E																
			1943	3540	380.1	8743.7	240	16	6	149						DEV 4700
	AUX VASES, MIS	2620		170			10	0	0	38			S	10	AL	
	OHAPA, MIS	2700		2520			8	0	1				L	10	AC	
	SPAR MTN, MIS	2700		#			20	0	0	39			LS	6	A	

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test		
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)		
*DIVISION C, JEFFERSON, 1S, 3-4E																	
	MCCLOSKEY, MIS	2750		#			150	4	6		38	0.21	L	6	AC		
	ST. LOUIS, MIS	2840	1955	190			22	1	0				L	7	AC		
	SALEM, MIS	3190	1960	970			67	12	0				L	10	AC		
	2 OR MORE PAYS						30	1	1								
DIVIDE S, JEFFERSON, 2S, 3-4E																	
	MCCLOSKEY, MIS	2890	1948	300	3.7	489.3	16	0	1		3	35	L	5		MIS 3575	
CIX S, JEFFERSON, 1S, 2F																	
	BENOIST, MIS	1950	1941	20	0.0	13.4	2	0	0				S	8	N	MIS 2293	
				ABO 1946													
*COLLIVILLE, SHELBY, 12N, 2E																	
	BETHEL, MIS	1509	1961	90	2.1	19.1	5	0	1		3	35	S	4		MIS 1600	
CURDIS CEN, WASHINGTON, 3S, 1W																	
			1954	130	11.6	161.9	12	0	0		9					DEV 3100	
	BENOIST, MIS	1335	1955	70			12	0	0				S	12			
	SPAR MTN, MIS	1530	1954	#			3	0	0				L	8			
	2 OR MORE PAYS						2	0	0								
*BOBOS C, WASHINGTON, 3S, 1-2W																	
			1939	1360	50.0	1576.4	111	3	0		94				A	ORD 4217	
	CYPRESS, MIS	1230		950			73	1	0				S	10	AL		
	BENOIST, MIS	1325		460			40	2	0		32	0.26	S	10	AL		
	2 OR MORE PAYS						2	0	0								
DUDLEY, EDGAR, 13-14N, 13W																	
			1948	650	84.2	1253.2	89	5	1		76				M	STP 2997	
	UPPER DUDLEY, PEN	310		650			23	0	0		26		S	20	ML		
	LOWER DUDLEY, PEN	410		#			66	5	1		25		S	50	ML		
DUDLEYVILLE E, BOND, 4-5N, 2-3W																	
	DEVONIAN	2370	1954	20	0.0	2.8	2	0	0				L	5		ORD 3397	
				ABO 1961													
DUPD, ST. CLAIR, 1N, 1S, 10W																	
	TRENTON, ORD	700	1928	880			321	0	0		28	33	0.70	L	50	A	ORD 1800
EERLE, EFFINGHAM, 6N, 6E																	
			1947	150	0.3	112.6	9	0	1		0				N	MIS 2892	
	CYPRESS, MIS	2475		60			3	0	0		26		S	10	NL		
	SPAR MTN, MIS	2680		110			2	0	0				LS	5	NC		
	MCCLOSKEY, MIS	2820		#			4	0	1		26		L	7	N		
				ABO 1967													
EDINBURG, CHRISTIAN, 14N, 3W																	
	LINGLE, OFV	1810	1949	10	0.0	0.0	1	0	0		0		L	2	A	DEV 1853	
				ABO 1951													
EDINBURG S, CHRISTIAN, 14N, 3W																	
	HIBBARO, OFV	1795	1955	20	0.0	4.4	2	0	0		0		LS	13		SIL 1902	
				ABO 1963													
*EDINBURG W, CHRISTIAN, SANGAMON, 14N, 3-4W																	
			1954	1500	52.7	2527.8	112	0	4		80				A	ORD 2285	
	DEVONIAN	1660		50			6	0	0		41		S	6	A		
	SILURIAN	1690		1470			108	0	4		41		L	8	A		
	2 OR MORE PAYS						2	0	0								
ELBA, GALLATIN, 8S, 8F																	
			1955	210	0.0	25.0	13	0	0		0					MIS 2991	
	CYPRESS, MIS	2617	1958	10			1	0	0				S				
	BETHEL, MIS	2660		80			3	0	0				S	10			
	RENAULT, MIS	2770		10			1	0	0				L	3			
	AUX VASES, MIS	2780		120			5	0	0				S	5			
	OHARA, MIS	2820	1955	40			3	0	0				L	11			
	2 OR MORE PAYS						3	0	0								
				ABO 1960													

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone	Deepest test		
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)		Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)
*ELERIDGE, ECCAR, 12-13N, 11W																
PENNSYLVANIAN	760		1949	440	5.7	1486.9	40	0	0	19			D	TRN	3300	
FREDONIA, MIS	950			430			2	0	0			S	3			
DEVONIAN	1950	1949		20			37	0	0	25		L	3			
							2	0	0			L	20	D		
*ELCCRADO C +, SALINE, 8S, 6-7E																
PALESTINE, MIS	1920		1941	3450	828.6	8998.8	289	2	13	171			A	MIS	3606	
WALTERSBURG, MIS	2125			360			24	0	1			S	20	AL		
TAR SPRINGS, MIS	2200			1930			144	1	6	39		S	25	AL		
HARDINSBURG, MIS	2350			260			19	0	1			S	15	AL		
CYPRESS, MIS	2575			290			30	0	0			S	8	AL		
SAMPLE, MIS	2778			270			19	1	2			S	8	AL		
BENOIST, MIS	2680			70			6	0	0			S	18	AL		
AUX VASES, MIS	2900	1962		#			1	0	0			S	10			
CHARA, MIS	2900			890			64	0	3			S	12	AL		
SPAR MTN, MIS	2900			90			3	0	1			L	5	AC		
MCCLOSKEY, MIS	2975			#			2	0	0			L	4	AC		
2 DR MORE PAYS							16	0	1	34	0.14	L	5	AC		
*ELDDRADO E +, SALINE, 8S, 7E																
PALESTINE, MIS	1915		1953	400	5.5	375.5	27	1	0	12			A	MIS	3666	
TAR SPRINGS, MIS	2190			30			2	0	0			S	10	AL		
CYPRESS, MIS	2515			30			2	0	0			S	10	AL		
AUX VASES, MIS	2885			30			3	0	0			S	20	AL		
SPAR MTN, MIS	2975			340			20	1	0			S	6	AL		
2 OR MORE PAYS				10			1	0	0			L	4	AC		
							1	0	0							
ELDDRADO W +, SALINE, 8S, 6E																
PALESTINE, MIS	1940		1955	50	0.0	46.0	6	0	0	1				MIS	3139	
RENALLT, MIS	2910	1955		40			3	0	0			S	18			
AUX VASES, MIS	2960			20			2	0	0			L	6			
2 OR MORE PAYS		1955		20			2	0	0			L	6			
							1	0	0							
ELK PRAIRIE, JEFFERSON, 4S, 2E																
MCCLOSKEY, MIS	2735	1938		20	4.7	30.6	2	0	0	1				MIS	3470	
SALEM, MIS	3076	1960		20			2	0	0			L	7			
2 OR MORE PAYS		1960		10			1	0	0			L	8			
							1	0	0							
ABD 1940, REV 1960																
ELKTON, WASHINGTON, 2S, 4W																
BAILEY, DEV	2340	1955		40	0.0	2.6	2	0	0	0		L	30	DEV	2495	
ELKVILLE, JACKSON, 7S, 1W																
BENOIST, MIS	2000	1941		10	0.0	4.0	1	0	0	0	36	0.22	S	10	MIS	2387
*ELLERY E, EDWARDS, 2S, 10E																
AUX VASES, MIS	3180		1952	310	1.3	939.9	25	0	0	1			M	MIS	3823	
DHARA, MIS	3255			180			13	0	0			S	35	ML		
SPAR MTN, MIS	3255			190			11	0	0			L	6	MC		
				60			3	0	0			L	4	MC		
ELLERY N, EDWARDS, WAYNE, 2S, 9-10E																
BETHEL, MIS	3100		1942	90	0.6	30.1	7	0	0	2			M	MIS	2496	
AUX VASES, MIS	3230			20			2	0	0			S	35	ML		
SPAR MTN, MIS	3345			10			1	0	0			S	12	ML		
MCCLOSKEY, MIS	3420			70			4	0	0			S	8	ML		
ST LOUIS, MIS	3438			#			2	0	0			L	7	MC		
2 OR MORE PAYS				10			1	0	0			L	6			
							1	0	0							
ABD 1943, REV AND ABD 1951, REV 1954																
ELLERY S, EDWARDS, 2-3S, 10E																
AUX VASES, MIS	3200		1943	90	0.0	173.0	9	0	0	0			M	MIS	3434	
MCCLOSKEY, MIS	3300			30	0.0	35.0	5	0	0			S	15	ML		
				60	0.0	138.0	4	0	0	18		L	9	MC		
ABD 1952, REV 1953, ABD 1959, REV AND ABD 1960																
ELLIDISTICWN, EFFINCHAM, 7N, 7E																
SPAR MTN, MIS	2730	1947		10	0.0	13.7	1	0	0	0		S	8	HL	MIS	2884
ABD 1951																

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Kind of rock, avg. thickness in feet, structure		Zone	Depth (ft)		
											Gr. API	Sulfur (%)				
ELLIGTISTOWN E, EFFINGHAM, 7N, 7E																
			1954	80	3.3	83.3	6	0	0	2					MIS	3292
	CYPRESS, MIS	2495	1954	10			1	0	0				S	5	HL	
	SPAR MTN, MIS	2750	1962	70			2	0	0				L	10		
	MCCLOSKEY, MIS	2771	1962	#			3	0	0				L	8		
ABD 1956, REV 1962																
*ELLIGTISTOWN N, EFFINGHAM, 7N, 7E																
			1953	280	27.7	130.6	16	1	0	14					MIS	3100
	CYPRESS, MIS	2430	1953	20			2	0	0				S	4	HL	
	AUX VASES, MIS	2710	1963	10			1	0	0				S	2		
	SPAR MTN, MIS	2666	1964	240			2	0	0				L	3		
	MCCLOSKEY, MIS	2738	1964	#			11	1	0				OL	17		
ABD 1958, REV 1964																
*ENFIELD, WHITE, 5S, 8E																
			1950	380	41.2	980.7	22	0	0	9					MIS	4259
	AUX VASES, MIS	3250		220			13	0	0				S	10	AL	
	OHARA, MIS	3310		160			4	0	0				L	4	AC	
	MCCLOSKEY, MIS	3385		#			5	0	0				L	8	AC	
ABD 1951, REV 1952																
ENFIELD S, WHITE, 6S, 8E																
			1961	30	0.0	0.0	2	0	0	0					MIS	3314
	AUX VASES, MIS	3174	1961	10	0.0	0.0	1	0	0				S	2		
	MCCLOSKEY, MIS	3277	1961	30	0.0	0.0	2	0	0				L	6		
	2 OR MORE PAYS		1961				1	0	0							
ABD 1963																
EVERS, EFFINGHAM, 8N, 7E																
			1948	70	0.3	104.9	5	0	0	2					MIS	2808
	SPAR MTN, MIS	2610		70			3	0	0		39		L	7	AL	
	MCCLOSKEY, MIS	2660		#			2	0	0				L	4	AC	
ABD 1949, REV 1953																
EVERS S, EFFINGHAM, 7N, 7E																
	SPAR MTN, MIS	2650	1948	10	0.0	2.4	1	0	0	0			LS	8	AC	MIS 2783
ABD 1951																
EWING, FRANKLIN, 5S, 3E																
			1944	170	0.2	513.5	8	0	0	2					MIS	3877
	AUX VASES, MIS	2835		10	0.0	57.0	1	0	0		37		S	8	AL	
	MCCLOSKEY, MIS	2970		160		456.5	7	0	0				L	7	A	
EWING E, FRANKLIN, 5S, 3E																
	OHARA, MIS	3010	1956	10	0.0	0.0	1	0	0	0			L	10		MIS 3292
ABD 1965																
EXCHANGE, MARION, IN, 3E																
			1943	30		68.3	2	0	1	0					M	MIS 2869
	OHARA, MIS	2695		30			1	0	0				L	10	MC	
	MCCLOSKEY, MIS	2730		#			2	0	1				L	8	MC	
ABD 1967																
*EXCHANGE E, MARION, IN, 4F																
			1955	230	43.5	442.2	16	0	0	12					MIS	3006
	OHARA, MIS	2775	1955	220			1	0	0				L	14		
	SPAR MTN, MIS	2780		#			7	0	0				S	11		
	MCCLOSKEY, MIS	2840		#			6	0	0				L	4		
	ST. LOUIS, MIS	2940	1955	10			1	0	0				L	8		
	2 OR MORE PAYS						1	0	0							
*EXCHANGE N C, MARION, IN, 3-4E																
			1951	200	101.7	143.3	21	10	0	18					MC	MIS 3194
	SPAR MTN, MIS	2682	1967	190			1	1	0				L	3		
	MCCLOSKEY, MIS	2763	1951	#			19	8	0				L	6	MC	
	SALEM	3080	1967	10			1	1	0				L	11	MC	
ABD 1952, REV 1955, ABD 1959, REV 1965																
*EXCHANGE W, MARION, IN, 3E																
			1957	190	32.2	48.3	18	8	0	18					MIS	3008
	OHARA, MIS	2540	1966	140			1	0	0				L	7		
	SPAR MTN, MIS	2570	1966	#			6	1	0				S	6		
	MCCLOSKEY, MIS	2650	1957	#			9	4	0				L	6		
	ST LOUIS, MIS	2720	1967	50			5	5	0				L	11		
	2 OR MORE PAYS						2	1	0							
*FAIRMAN, MARION, CLINTON, 3N, 1E, 1W																
			1939	610	18.0	1974.6	58	0	0	16					A	DDO 4100

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

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Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Character of oil		Kind of rock, avg. thickness in feet, structure	Deepest test		
											Gr. API	Sulfur (%)		Zone	Depth (ft)	
*FAIRMAN, MARION, CLINTON, 3N, 1E, 1W (CONTINUED FROM PREVIOUS PAGE)																
	BENOIST, MIS	1435	1939	480			44	0	0		37	0.27	S	10	A	
	TRENTON, ORD	3950	1957	230			14	0	0				L	20	A	
FANCHER, SHELEY, 10N, 4E																
	BENOIST, MIS	1749	1962	10	0.0	0.0	1	0	0	0			S	3		MIS 1889
				ABO 1962												
FEHRER LAKE, GALLATIN, 9S, 10E																
	AUX VASES, MIS	2672	1963	10	0.0	4.7	1	0	0	0			L	8		MIS 2795
				ABO 1966												
FITZGERRELL, JEFFERSON, 4S, 1E																
			1944	10	0.0	16.0	1	0	0	0						MIS 3012
	BENOIST, MIS	2760		10	0.0		1	0	0				S	5		
	AUX VASES, MIS	2800		10	0.0		1	0	0				S			
				ABO 1952												
*FLORA S, CLAY, 2N, 6E																
	MCCLOSKEY, MIS	2985	1946	60	0.0	168.0	4	0	0	0	39		L	6	AC	MIS 3361
				ABO 1961												
FORSYTH, MACON, 17N, 2E																
	SILURIAN	2118	1963	30	2.0	11.5	3	1	0	3			L	14		SIL 2220
FRANCIS MILLS, SALINE, 7S, 7E																
	CYPRESS, MIS	2675	1952	10	1.9	92.8	1	0	0	1			S	5		MIS 3238
FRANCIS MILLS S, SALINE, 7S 7E																
			1955	20	0.0	5.6	2	0	0	0						MIS 3180
	OHARA, MIS	3010	1955	20	0.0	5.6	2	0	0				L	11		
	SPAR MTN, MIS	3042	1962	#	0.0	0.0	1	0	0				L	6		
				ABO 1957, REV AND ABO 1962												
FREEBURG +, ST. CLAIR, 1-2S, 7W (NOW FREEBURG GAS STORAGE PROJECT)																
	CYPRESS, MIS	380	1955	20	0.0		2	0	0	0			S	30		ORD 2000
FRIENDSVILLE CEN, WABASH, 1N, 13W																
	BETHEL, MIS	2330	1946	50	0.0	31.0	5	0	0	0			S	15	MC	MIS 2630
				ABO 1956												
*FRIENDSVILLE N, WABASH, 1N, 12-13W																
			1946	220	3.8	242.1	20	1	0	R					MC	MIS 2592
	BIHEL, PEN	1620	1946	220			19	1	0				S	12	MC	
	BETHEL, MIS	2308	1959	10			1	0	0				S	11	M	
FROGTOWN, CLINTON, 2N, 3-4W																
	CARLYLE(CYP), MIS	950	1918	90	0.0		14	0	0	0	32		S	7	ML	TRN 3290
				ABO 1933, REV 1949, ABO 1956												
*FROGTOWN N, CLINTON, 2-3N, 3-4W																
			1951	420	27.9	1949.4	34	0	0	20					D	SIL 2456
	ST. LOUIS, MIS	1200	1951	60			5	0	0				L	10	D	
	DEV-SIL	2250		350			29	0	0				L	8	R	
GARCS POINT C, WABASH, 1N, 14W																
	OHARA, MIS	2870	1951	650	7.7	832.0	36	1	0	28			L	6	MC	MIS 2961
GAYS, MOULTRIE, 12N, 6E																
			1946	90	6.5	74.4	6	0	0	2					M	DEV 3305
	AUX VASES, MIS	1970		80			5	0	0		36		S	5	ML	
	CARPER, MIS	2963	1963	10			1	0	0				S	16		
	DEVONIAN	3205	1955	10			1	0	0				L	3	MC	
	2 OR MORE PAYS						1	0	0							
				ABO 1950, REV 1955												
*GERMANTOWN E, CLINTON, 1-2N, 4W																
	SILURIAN	2350	1956	380	41.0	1756.5	27	0	0	26			L	30	R	TRN 3310
*GILA, JASPER, 7-8N, 9E																
	MCCLOSKEY, MIS	2850	1957	430	27.3	1016.1	29	0	0	19			OL	3	MC	MIS 2971

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test				
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)				
GILLESPIE-WYEN, MACOUPIN, 8N, 6W																			
UNNAMED, PEN		650	1915		70	0.0		23	0	0		2	30		S	T	ORD	2560	
ELENARM, SANGAMON, 14N, 5W																			
SILURIAN		1680	1955		130	2.8	50.3	9	0	0		4		L	9		SIL	1921	
ABO 1957, REV 1959, ABO 1960, REV 1961																			
*GOLOENGATE C, WAYNE, WHITE, EDWARDS, 2-4S, 9-10E																			
		1938	6700	320.7	15880.3	478	0	16	264						A	DEV	5522		
CYPRESS, MIS		2942	1960	90		4	0	0						S	8	A			
BETHEL, MIS		3110		350		21	0	0						S	11	HL			
AUX VASES, MIS		3180		3390		178	0	8		40	0.14			S	15	AL			
OHARA, MIS		3250		4070		48	0	2		29				DL	6	AC			
SPAR MTN, MIS		3275		#		66	0	7		39				LS	7	AC			
MCCLOSKEY, MIS		3310		#		146	0	7		40	0.19			DL	7	AC			
ST. LOUIS, MIS		3430		20		3	0	0						L	10	HL			
HARRODSBURG, MIS		4125	1961	30		3	0	1						L	9	A			
OUTCH CREEK, DEV		5346	1961	350		16	0	0						S	10				
2 OR MORE PAYS						103	0	8											
GOLDENGATE E, WAYNE, 3S, 9E																			
OHARA, MIS		3290	1951		10	0.0	5.0	1	0	0		0		L	3		MIS	3420	
ABO 1957																			
GOLDENGATE N C, WAYNE, 1-2S, 8-9E																			
		1945	530	32.2	628.4	43	0	0	26						M	MIS	3509		
BETHEL, MIS		3095		10		2	0	0						S	3	ML			
AUX VASES, MIS		3235		360		27	0	0		40				S	25	ML			
OHARA, MIS		3300		280		6	0	0		37				L	4	MC			
SPAR MTN, MIS		3325		#		9	0	0		37				L	5	MC			
MCCLOSKEY, MIS		3350		#		10	0	0						L	6	MC			
2 OR MORE PAYS						13	0	0											
GRANDVIEW +, EDGAR, 12-13N, 13W																			
PENNSYLVANIAN		560	1945		70	0.0	4.0	6	0	0		4	30		S	10	M	ORD	2694
GRAYSON, SALINE, 8S, 7E																			
		1957	30	0.9	20.6	3	0	0	1								MIS	3045	
CYPRESS, MIS		2515		10		1	0	0						S	6				
AUX VASES, MIS		2913	1961	10		1	0	0						L	4				
MCCLOSKEY, MIS		2920		20		1	0	0						L	6				
2 OR MORE PAYS						1	0	0											
GREENVILLE GAS +, BOND, 5N, 3W																			
LINGLE, DEV		2240	1957		10	0.0	0.0	1	0	0		0		L	5	A	TPN	3184	
ABO 1958																			
*HALF MOON, WAYNE, 1S, 5E																			
		1947	1170	108.8	2707.3	62	0	1	43						M	DEV	5369		
AUX VASES, MIS		3190		20		1	0	0						S	18	ML			
OHARA, MIS		3280		1160		36	0	1						L	11	MC			
SPAR MTN, MIS		3280		#		10	0	0						L	4	MC			
MCCLOSKEY, MIS		3300		#		21	0	0		27				L	10	MC			
2 OR MORE PAYS						6	0	0											
*HARCO +, SALINE, 8S, 5E																			
		1954	980	29.4	1357.9	81	1	4	46								MIS	3163	
HARDINSBURG, MIS		2330	1956	10		1	0	0						S	6				
CYPRESS, MIS		2618	1959	10		1	0	0						S	8				
SAMPLE, MIS		2675		20		3	0	0						S	8				
AUX VASES, MIS		2860		880		66	1	4						S	15				
OHARA, MIS		2965		210		6	0	0						L	10				
SPAR MTN, MIS		2970		#		7	0	0						LS	10				
2 OR MORE PAYS						3	0	0											
*HARCO E +, SALINE, 8S, 5E																			
		1955	250	11.1	301.2	22	0	3	1								MIS	3031	
CYPRESS, MIS		2575	1955	70		6	0	1						S	20				
AUX VASES, MIS		2865	1956	200		12	0	2						S	8				
OHARA, MIS		2880		30		2	0	0						L	14				
2 OR MORE PAYS						1	0	0											
*HARRISBURG +, SALINE, 8S, 6E																			
		1954	100	12.4	243.4	10	0	0	5								MIS	2030	
WALTERSBURG, MIS		2020	1955	90		9	0	0		3R				S	14				
TAR SPRINGS, MIS		2115		10		1	0	0						S	6				

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
HARRISBURG S, SALINE, 9S, 6E																
CYPRESS, MIS	2300	1955	10 ABD 1956	0.0	0.0	1	0	0	0			S		MIS	2352	
HARRISTOWN, MACON, 16N, 1E																
SILURIAN	2050	1954	190	2.9	166.8	12	0	0	5	39		L	3 MU	SIL	2117	
HAYES, DOUGLAS, 16N, 8E																
IRENTON	893	1963	460	49.0	93.9	42	15	0	41			L		CAM	2420	
*HERALD C +, WHITE, GALLATIN, 6-8S, 9-1CE																
		1939	6260	410.0	14505.7	533	4	13	274					A	MIS	4055
PENNSYLVANIAN	1060		340			1	0	0		29		S	10	AL		
PENNSYLVANIAN	1500		#			20	0	1		20		S	15	AL		
PENNSYLVANIAN	1750		#			5	0	0		29		S	18	AL		
DEGONIA, MIS	1920		80			3	0	0		36		S	12	AL		
CLDRE, MIS	1965		60			2	0	0				S	10	AL		
PALESTINE, MIS	1940		10			2	0	0				S	20	AL		
WALTERSBURG, MIS	2240		510			41	1	2		28		S	10	A		
TAR SPRINGS, MIS	2260		690			53	2	0		37	0.24	S	13	A		
CYPRESS, MIS	2660		1880			156	0	1		36	0.22	S	14	A		
BETHEL, MIS	2790		180			19	0	0		36		S	11	AL		
AUX VASES, MIS	2920		3040			228	0	9		36		S	6	AL		
OHARA, MIS	2965		510			8	0	0		37		L	6	AC		
SPAR MTN, MIS	3005		#			7	0	0				L	4	AC		
MCCLOSKEY, MIS	3010		#			23	1	2		38		L	10	AC		
2 OR MORE PAYS						26	0	1								
HERRIN, WILLIAMSON, 8S, 2E																
CYPRESS, MIS	2221	1965	10	0.2	2.0	1	0	0	1			S	9	MIS	2682	
*HICKORY HILL, MARION, 1N, 4E																
		1964	60	3.1	16.7	4	0	0	1						MIS	3010
CYPRESS, MIS	2478	1964	10			1	0	0				S	10			
BENOIST, MIS	2645	1964	20			2	0	0				S	7			
SPAR MTN, MIS	2833	1964	10			1	0	0				S	6			
HIDALGO, JASPER, 8N, 1CE																
MCCLOSKEY, MIS	2575	1940	50 ABD 1952, PEV 1965	1.4	11.8	5	1	1	1	37	0.20	L	4	MC	DEV	4246
HIDALGO E, JASPER, 8N, 1CE																
MCCLOSKEY, MIS	2467	1966	10	1.7	3.5	1	0	0	1			0	6	MIS	2747	
HIDALGO N, CLUMBERLANO, 9N, 9E																
		1946	220	5.2	72.1	16	0	1	11						MIS	2807
SPAR MTN, MIS	2655	1946	220			9	0	1				S	12			
MCCLOSKEY, MIS	2676	1959	#			10	0	0				OL	9			
2 OR MORE PAYS						3	0	0								
HIDALGO S, JASPER, 8N, 10E																
MCCLOSKEY, MIS	2628	1964	50	0.0	2.6	4	0	0	2			0	4	MIS	3040	
HIGHLAND, MADISON, 4N, 5W																
HARDIN, DEV	1941	1960	10 ABD 1962	0.0	0.0	1	0	0	0			S	7 U	DEV	1983	
HILL, EFFINGHAM, 6N, 6E																
MCCLOSKEY, MIS	2565	1943	40 ABD 1950	0.0	41.0	2	0	0	0	39		L	5 N	MIS	2710	
*HILL E, EFFINGHAM, 6N, 6E																
		1954	480	17.1	1201.8	37	1	5	9						MIS	2251
CYPRESS, MIS	2460	1955	290			26	1	3		37		S	8			
AUX VASES, MIS	2650	1957	10			1	0	0				S	10			
SPAR MTN, MIS	2660		240			2	0	0				L	5			
MCCLOSKEY, MIS	2700		#			8	0	1		40		L	7			
ST. LOUIS, MIS	2929	1966	10			1	1	0				0	14			
2 OR MORE PAYS						1	0	1								
HILLSBORO, MONTGOMERY, 9N, 3W																
LINGLE, DEV	2012	1962	30 ABD 1967	0.0	0.2	3	0	2	0			S	4	DEV	2153	

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test		
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)		
HOFFMAN, CLINTON, 1N, 2W																	
			1939	350	3.6	782.3	52	3	0	29			A	DEV	2914		
	CYPRESS, MIS	1190		180			15	2	0			S	11	A			
	BENDIST, MIS	1320		240			38	1	0		33	0.21	S	7	A		
	2 DR MORE PAYS						1	0	0								
HODGKINSVILLE E, HAMILTON, 5S, 7E																	
	MCCLOSKY, MIS	3365	1944	10	0.0	0.6	1	0	0	0			L	3	N	MIS	341
				ABD 1944													
*HORD, CLAY, 5N, 6E																	
			1950	270	4.7	557.1	19	0	0	3			M	MIS	2954		
	AUX VASES, MIS	2702	1959	70			6	0	0		37		S	10	M		
	STE. GEN, MIS	2800	1950	270			13	0	0		37		L	5	M		
HORD N, EBEINGHAM, 6N, 6E																	
			1958	60	7.4	116.3	6	0	0	4						MIS	2869
	CYPRESS, MIS	2430	1958	40			3	0	0		33		S				
	AUX VASES, MIS	2633	1959	30			3	0	0				S	10			
*HORD S C, CLAY, 5N, 6E																	
			1942	360	31.3	1693.7	26	0	0	18			N	MIS	2975		
	AUX VASES, MIS	2735		20			2	0	0				S	8	N		
	STE. GEN, MIS	2790		360			24	0	0		37		L	7	NC		
				ABD 1945, REV 1951													
HORNSEY S, MACDUPIN, 8N, 6W																	
	PENNSYLVANIAN	640	1956	50	0.0		4	0	0	0			S	1		PFN	715
				ABD 1957, REV 1959, ABD 1960													
HOYLETON W, WASHINGTON, 1S, 2W																	
	CLEAR CREEK, DEV	2895	1955	10	0.0	3.7	1	0	0	0			L	12		SIL	2965
				ABD 1964													
HUEY, CLINTON, 2N, 2W																	
	BENDIST, MIS	1260	1945	80	0.0	5.4	7	0	0	1			S	6	AL	DEV	2770
HUEY S, CLINTON, 1-2N, 2-3W																	
			1953	310	6.9	198.7	23	0	0	15						SIL	2675
	CYPRESS, MIS	1080		190			17	0	0				S	5			
	SILURIAN	2585	1956	110			6	0	0				L	10			
HUNT CITY, JASPER, 7N, 10E																	
	SPAR MTN, MIS	2540	1945	10	0.0	0.8	1	0	0	0			S	10	ML	MIS	3020
				ABD 1950													
HUNT CITY E, JASPER, 7N, 14W																	
			1952	80	3.0	12.8	6	0	1	4						SIL	3660
	EREDONIA, MIS	1845	1952	80			6	0	0	40			L	6			
	ST. LOUIS, MIS		1966	10			1	0	1				D	20			
	2 DR MORE PAYS						1	0	0								
				ABD 1954, REV 1965													
HUNT CITY S, JASPER, 7N, 14W																	
	MCCLOSKY, MIS	2341	1966	30	1.9	3.4	3	1	1	2			L	4		MIS	2655
HUTTON, CCLES, 11N, 10E																	
	PENNSYLVANIAN	530	1939	20	0.0	15.0	2	0	0	0			S	15		MIS	269
				ABD 1946													
*INA, JEFFERSON, 4S, 2-3E																	
			1938	430	23.0	704.4	28	0	0	15					A	MIS	3521
	RENAULT, MIS	2725		150			7	0	0				S	14	AL		
	AUX VASES, MIS	2682	1958	30			3	0	0				S	26	A		
	SPAR MTN, MIS	2775	1957	110			3	0	0				S	10	A		
	MCCLOSKY, MIS	2775		#			4	0	0				L	10	A		
	ST. LOUIS, MIS	3000		90			8	0	0		36	0.20	L	4	AC		
	SALEM, MIS	3210	1957	40			4	0	0				L	9	A		
	2 DR MORE PAYS						1	0	0								
				ABD 1946, REV 1954													
INA N, JEFFERSON, 4S, 3E																	
	MCCLOSKY, MIS	2940	1949	10	0.0	0.7	1	0	0	0			L	4		MIS	3699
				ABD 1950													

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
INCLUSE +, FICAR, CLARK, 12N, 13-14W																
ISABEL, PEN			345	1941	110			12	0	0			S	8	AL	MIS 1600
*INGRAHAM, CLAY, 4N, RE																
				1942	540	0.0	R31.9	36	0	0					M	MIS 3150
ALX VASES, MIS			2915		60			4	0	0			S	15	ML	
SPAR MTN, MIS			3020		490			28	0	0		37	0.21	L	7	MC
MCCLOSKEY, MIS			3075		#			5	0	0		37	0.21	L	8	MC
ABD 1945, REV 1954																
*INMAN E C, GALLATIN, 7-8S, 10E																
				1940	4400	267.7	20879.7	420	7	41	175				A	DEW 5100
PENNSYLVANIAN			780		70			4	0	0		38		S	10	AF
PENNSYLVANIAN			1450		#			1	0	0				S	4	AF
CEGONIA, MIS			1690		90			4	0	0		37		S	10	AF
CLORE, MIS			1725		50			6	0	0		37		S	8	AF
PALESTINE, MIS			1840		90			4	0	0		37		S	13	AF
WALTERSBURG, MIS			1980		1220			82	4	3		38		S	18	AF
TAR SPRINGS, MIS			2090		1840			156	0	19		36	0.24	S	13	AF
HARCINSBURG, MIS			2135		280			17	0	0		34		S	10	AF
CYPRESS, MIS			2390		2350			162	1	19		35	0.23	S	14	AF
RENAULT, MIS			2675	1967	10			1	1	0				S	5	AF
AUX VASES, MIS			2715		490			33	3	1		38		S	8	AF
CHARA, MIS			2795		140			1	0	0				L	5	AF
SPAR MTN, MIS			2790		#			1	0	0				L	7	AF
MCCLOSKEY, MIS			2800		#			7	0	0		38		L	8	AF
ST. LOUIS, MIS			2960	1957	30			5	2	1				L	10	AF
2 OR MORE PAYS								50	4	2						
*INMAN W C, GALLATIN, 7-8S, 9-10E																
				1940	3740	243.3	6819.9	331	10	22	218				T	MIS 3231
PENNSYLVANIAN			925		170			4	0	0				S	8	ML
PENNSYLVANIAN			1630		#			3	0	0				S	5	ML
BIEHL, PEN			1750		#			7	0	0				S	12	ML
PALESTINE, MIS			1765		40			4	0	0		31		S	13	ML
WALTERSBURG, MIS			2080		130			8	0	0				S	10	TL
TAR SPRINGS, MIS			2140		1250			87	1	7		37		S	8	TL
HARCINSBURG, MIS			2300		260			18	1	5				S	10	TL
CYPRESS, MIS			2475		2130			162	5	17		37		S	10	T
SAMPLE, MIS			2610		50			1	0	0				S	20	T
RENAULT, MIS			2775		30			3	0	0				L	7	T
ALX VASES, MIS			2790		860			69	3	1				S	15	TL
CHARA, MIS			2815		250			6	0	0				L	12	TC
SPAR MTN, MIS			2815		#			4	0	0				L	8	TC
MCCLOSKEY, MIS			2940		#			15	1	2		36	0.10	L	6	TC
ST LOUIS, MIS			3180	1967	10			1	1	0				L	6	
2 OR MORE PAYS								60	2	8						
IOLA CEN, CLAY, 5N, 5E																
BENOIST, MIS			2420	1954	20	0.0	0.8	3	1	0	2			S	5	MIS 3723
ABD 1957, REV 1955																
*IOLA C, CLAY, EFFINGHAM, 5-6N, 5-6E																
				1939	3240	154.1	13169.5	285	1	8	248				A	DEW 4227
TAR SPRINGS, MIS			1890		20			1	0	0				S	9	AL
CYPRESS, MIS			2125		700			49	0	1		35		S	15	A
BETHEL, MIS			2255		60			5	0	0				S	10	AL
BENOIST, MIS			2290		1230			84	0	0		36	0.14	S	12	A
RENAULT, MIS			2320		10			1	0	0				L	1	AC
AUX VASES, MIS			2325		2270			179	1	5		35	0.25	S	10	A
SPAR MTN, MIS			2400		1360			62	0	3		37		S	7	A
CHARA, MIS			2410	1963	#			1	0	0				L	6	A
MCCLOSKEY, MIS			2425		#			47	1	1		38		ML	10	A
2 OR MORE PAYS								74	0	1						
IOLA S, CLAY, 4N, 5E																
				1947	240	12.4	312.0	19	1	1	7				A	DEW 4325
BENOIST, MIS			2490		160			10	0	1		37		S	10	AL
SPAR MTN, MIS			2590		130			6	0	3				L	6	AC
MCCLOSKEY, MIS			2650		#			3	0	0		37		L	3	AC
CARPER, MIS			3900		10			1	1	0				S	7	
2 OR MORE PAYS								1	0	1						
IOLA W, CLAY, 5N, 5E																
MCCLOSKEY, MIS			2495	1945	10	0.0	.5	1	0	0	0			L	11	MC
ABD 1945																
*IRVINGTON, WASHINGTON, 1S, 1W																
				1940	1390	144.6	8068.6	138	0	0	92				A	DEW 4440
BEECH CREEK, MIS			1525		10			1	0	0				L	3	AC
CYPRESS, MIS			1380		410			35	2	0		38		S	12	A
BENOIST, MIS			1535		1020			84	0	0		38	0.16	S	12	A

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. Sulfur		Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
											API	(%)				
*JOHNSONVILLE S, WAYNE, 1S, 6E																
			1942	420	22.6	775.7	34	0	1	11			A	MIS	3335	
	ALX VASES, MIS	3060		340			27	0	1		39	S	15	A		
	SPAR MTN, MIS	3160		120			1	0	0			L	4	AC		
	MCCLOSKEY, MIS	3200		#			6	0	0		38	L	5	AC		
*JOHNSONVILLE W, WAYNE, 1N, 1S, 5-6E																
			1942	750	105.6	1745.7	61	0	3	26			M	MIS	3335	
	BETHEL, MIS	2925		10			1	0	0			S	7	ML		
	ALX VASES, MIS	2900		170			31	0	1			S	6	ML		
	CHARA, MIS	2930		370			5	0	0			L	6	MC		
	SPAR MTN, MIS	3015		#			10	0	2			L	4	MC		
	MCCLOSKEY, MIS	3100		#			16	0	0			L	7	MC		
	2 OR MORE PAYS						1	0	0							
*JOHNSON CITY E, WILLIAMSON, 8S, 3E																
			1959	140	30.3	293.7	12	0	0	12				MIS	2960	
	CYPRESS, MIS	2290	1959	130			9	0	0			S	20			
	AUX VASES, MIS	2620	1962	140			6	0	0			S	10			
	SPAR MTN, MIS	2660	1963	10			1	0	0			L	7			
	MCCLOSKEY, MIS	2680	1963	#			1	0	0			M	12			
	2 OR MORE PAYS						3	0	0							
*JUNCTION, GALLATIN, 9S, 9E																
			1939	340	3.5	646.7	30	1	0	18			M	MIS	3400	
	PENNSYLVANIAN	1150		30			3	0	0			S	7	ML		
	WALTERSBURG, MIS	1750		290			24	1	0		25	S	14	ML		
	HARDINSBURG, MIS	2120		10			1	0	0			S	5	ML		
	CYPRESS, MIS	2275		20			2	0	0			S	12	ML		
	MCCLOSKEY, MIS	2730	1955	10			1	0	0			L	9	MC		
	2 OR MORE PAYS						1	0	0							
JUNCTION E, GALLATIN, 8-9S, 9E																
	WALTERSBURG, MIS	2000	1953	20	0.0	47.7	2	0	0	2	37	S	14	MIS	2970	
JUNCTION N, GALLATIN, 8-9S, 9E																
			1946	190	6.4	194.5	19	0	0	10			M	MIS	2993	
	PENNSYLVANIAN	1565		100			10	0	0			S	16	ML		
	CYPRESS, MIS	2450		30			3	0	0			S	10	ML		
	AUX VASES, MIS	2725		40			3	0	0			S	6	ML		
	SPAR MTN, MIS	2860	1955	40			3	0	0			L	6	MC		
JUNCTION CITY C, MARION, 2N, 1E																
			1910	160	5.5		16	0	1	0		S	8	ML	DFV 3345	
	CYKSTRACURAI, PEN	510	1910	160			11	0	0			S		ML		
	WILSON, PEN	680	1952	#			5	0	1			S	4	ML		
KEENSBURG E, WABASH, 2S, 13W																
			1939	40	0.0	9.0	3	0	0	0			M	MIS	2800	
	OHARA, MIS	2705		40	0.0		1	0	0			L	10	MC		
	MCCLOSKEY, MIS	2710		#	0.0		2	0	0		34	0.26	L	6	MC	
					ABD 1947											
*KEENSBURG S, WABASH, 2-3S, 13W																
			1944	280	17.9	627.4	26	2	1	16			A	MIS	2870	
	PENNSYLVANIAN	1145		130			14	2	0			S	15	AL		
	CYPRESS, MIS	2345		130			11	0	1		38	S	9	AL		
	OHARA, MIS	2715		20			1	0	0			L	10	AC		
*KEENVILLE, WAYNE, 1S, 5E																
			1945	710	9.0	2206.9	58	0	1	10			A	MIS	3553	
	ALX VASES, MIS	2960		340			25	0	0		37	S	20	AL		
	CHARA, MIS	3050		440			5	0	0			L	8	AC		
	SPAR MTN, MIS	3060		#			1	0	0			L	10	AC		
	MCCLOSKEY, MIS	3100		#			29	0	1		36	L	7	AC		
	2 OR MORE PAYS						2	0	0							
KEENVILLE E, WAYNE, 1S, 5E																
			1951	90	1.6	81.5	6	2	0	5				MIS	3639	
	SPAR MTN, MIS	3075	1967	80			1	1	0			L	4			
	MCCLOSKEY, MIS	3140	1951	#			5	1	0			L	10			
	ST LOUIS	3190	1967	10			2	2	0			L	1	0		
	2 OR MORE PAYS						1	1	0							

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
KELL, JEFFERSON, 1S, 3E																
	MCCLOSKEY, MIS	2625	1942	50	0.0	14.0	5	0	0	0	39	0.26	L	6	A	MIS 2720
				A80	1946, REV	1958, A80	1962									
KELL W, MARION, 1N, 2E																
	MCCLOSKEY, MIS	2354	1962	10	0.0	0.8	1	0	0	0			OL	6		MIS 2475
				A80	1964											
KELLERVILLE, JOAMS, BROWN, 1-2S, 5W																
	SILURIAN	637	1959	550	1.8	189.3	50	1	0	36	35	0	7	AC	STP	1075
*KENNER, CLAY, 3N, 5-6E																
			1942	1190	32.7	2225.9	103	0	8	51				A	DEV	4624
	TAR SPRINGS, MIS	2200		10			1	0	0				S	7	AL	
	BENOIST, MIS	2690		690			55	0	8		38	0.22	S	10	A	
	RENAULT, MIS	2761	1958	210			15	0	0				S	9	A	
	AUX VASES, MIS	2835		820			47	0	1				S	9	AL	
	SPAR MTN, MIS	2875		80			3	0	0				LS	5	AC	
	MCCLOSKEY, MIS	2930		#			4	0	0				L	7	AC	
	ST. LOUIS, MIS	2978	1964	10			1	0	0				L	4		
	CARPER, MIS	4221	1959	10			1	0	0				S	10	A	
	DEVONIAN	4424	1959	10			1	0	0				L	55	A	
	2 OR MORE PAYS						11	0	1							
*KENNER N, CLAY, 3N, 6E																
			1947	390	2.7	886.3	36	0	1	1				A	MIS	3076
	BENOIST, MIS	2755		390			31	0	1		36		S	8	A	
	MCCLOSKEY, MIS	2970		80			5	0	0		36		L	6	AC	
KENNER S, CLAY, 2N, 5E																
			1950	30	4.6	8.4	3	2	0	2				A	MIS	3000
	BENOIST, MIS	2730	1967	20			2	2	0				S	5	A	
	MCCLOSKEY, MIS	2870	1950	30			3	2	0	37			L	10	AC	
	2 OR MORE PAYS						2	2	0							
							A80	1952, REV	1967							
*KENNER W, CLAY, 3N, 5E																
			1947	410	12.9	2066.0	35	0	1	15				A	DEV	4800
	CYPRESS, MIS	2600		350			27	0	0		36		S	26	A	
	BENOIST, MIS	2705		230			16	0	0		38		S	9	A	
	RENAULT, MIS	2802	1960	10			1	0	0				S	10	A	
	AUX VASES, MIS	2837	1960	110			8	0	1				S	24	A	
	MCCLOSKEY, MIS	2870		20			2	0	0	38			L	4	A	
	2 OR MORE PAYS						18	0	0							
KEYESPORT, CLINTON, 3N, 2W																
	BENOIST, MIS	1180	1949	180	5.0	168.9	20	0	0	15			S	8	AL	MIS 1358
KINCAID C, CHRISTIAN, 13-14N, 3W																
			1955	2620	68.5	4698.2	148	0	0	143				MU	SIL	1971
	HIBBARO, DEV	1800	1955	2620			147	0	0				OS	19	MU	
	SILURIAN	1874	1959	10			1	0	0				0	7		
*KING, JEFFERSON, 3-4S, 3E																
			1942	1430	50.7	3469.4	112	0	0	54				A	DEV	4775
	RENAULT, MIS	2718	1959	10			1	0	0				S		A	
	AUX VASES, MIS	2725	1942	1380			104	0	0		39	0.17	S	15	AL	
	OHARA, MIS	2765		320			11	0	0				L	10	AC	
	SPAR MTN, MIS	2815		#			7	0	0		40	0.16	LS	10	AC	
	MCCLOSKEY, MIS	2840		#			4	0	0				L	5	AC	
	2 OR MORE PAYS						13	0	0							
KINMUNOY, MARION, 4N, 2-3E																
			1950	80	2.9	64.9	7	0	0	3				A	DEV	3650
	BENOIST, MIS	1915		20			2	0	0		34		S	3	A	
	SALEM, MIS	2430		10			1	0	0				L	7	A	
	CARPER, MIS	3384	1962	50			4	0	0				S	17		
							A80	1960, REV	1962							
KINMUNOY N, MARION, 4N, 3E																
	BENOIST, MIS	2040	1953	10	0.0	0.5	1	0	0	0			S	6		MIS 2301
				A80	1954											
LACLEDE, EAYETTE, 5N, 4E																
	BENOIST, MIS	2335	1943	40	0.3	26.9	5	0	1	1	36	0.18	S	15	A	MIS 2608

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
LAKELWOOD, STELBY, 10N, 2-3E																
			1941	120	0.9	270.1	17	0	0	3			A	SIL	3127	
	BENOIST, MIS	1690		70			7	0	0		38		S	7 AL		
	AUX VASES, MIS	1720		50			5	0	0		32	0.23	S	8 AL		
*LANCASTER, WABASH, LAWRENCE, 1-2N, 13W																
			1940	1490	273.7	4108.1	121	3	0	49			A	DEV	4555	
	TAR SPRINGS, MIS	2050	1959	10			1	0	0				S	3 A		
	BETHEL, MIS	2540		980			84	2	0	39			S	14 AL		
	CHARA, MIS	2670		520			2	0	0				L	10 AC		
	SPAR MTN, MIS	2649	1964	#			2	0	0				L	6		
	MCCLOSKY, MIS	2690		#			34	1	0	40	0.28		L	7 AC		
	2 OR MORE PAYS						2	0	0							
LANCASTER CEN, WABASH, 1N, 13W																
			1946	230	0.0	376.3	15	1	1	1			M	MIS	3607	
	OHARA, MIS	2750		230			5	1	1				L	7 MC		
	SPAR MTN, MIS	2810		#			10	0	0				L	7 MC		
	MCCLOSKY, MIS	2815		#			2	0	0				L	8 MC		
	2 OR MORE PAYS						4	0	0							
LANCASTER E, WABASH, 2N, 13W																
			1944	60	1.2	58.4	5	0	0	4			M	MIS	2750	
	BIEHL, PEN	1745		50		38.4	4	0	0				S	10 ML		
	SPAR MTN, MIS	2660		10	0.0	20.0	1	0	0				L	6 MC		
*LANCASTER S, WABASH, 1N, 13W																
			1946	290	5.6	379.2	20	0	0	17			M	MIS	2817	
	BETHEL, MIS	2520		270			18	0	0	32			S	6 ML		
	OHARA, MIS	2670		30			1	0	0				L	6 MC		
	MCCLOSKY, MIS	2720		#			1	0	0				L	12 MC		
LAWGENISCH-KUESTER, MARION, 1N, 1E																
			1910	110	0.0		15	0	0				N	DEV	3506	
	UNNAMEO, PEN	795	1951	10			2	0	0				S	N		
	CYPRESS, MIS	1600	1910	100			13	0	0				S	N		
*LAWRENCE, LAWRENCE, CRAWFORD, 2-5N, 11-13W																
			1906	35460			6673	33	94	2826			A	STD	5190	
	TRIVOLI, PEN	290		10430			11	0					S	A		
	CUBA, PEN	450		#			2	0					S	A		
	BRIDGEPORT, PEN	800		#			1297	0		33			S	40 A		
	LPENNSYLVANIAN	950		#			23	0					S	15 A		
	BUCHANAN, PEN	1250		#			531	0		33			S	15 A		
	RIOGLEY	1300		#				2					S			
	TAR SPRINGS, MIS	1410		20			3	1					S	10 A		
	HARDINSBURG, MIS	1570		20			5	0		33			S	10 A		
	JACKSON(GAS), MIS	1370		1290			305	3		33			S	15 A		
	CYP(KIRKWOOD), M	1400		21730			4420	25		33			S	30 A		
	SAMPLE, MIS	1600		9130			171	5					S	8 A		
	BETH(TRACEY), MIS	1650		#			966	6		38			S	20 A		
	BENOIST, MIS	1695		140			78	1					S	7 A		
	AUX VASES, MIS	1775		660			50	3					S	8 A		
	OHARA, MIS	1750		1182			14	0					L	8 A		
	SPAR MTN, MIS	1860		#			58	2		33			L	4 A		
	MCCLOSKY, MIS	1860		#			1118	3		33			L	10 A		
	ST. LOUIS, MIS	1660		190			8	0					L	10 A		
	SALEM, MIS	1955		30			1	0					L	2 A		
	2 OR MORE PAYS						367	17								
SEE LAWRENCE COUNTY DIVISION FOR PRODUCTION																
LAWRENCE COUNTY DIVISION, LAWRENCE, CRAWFORD																
					36410	6497.0	335954.0	6760	33	94	2869					
TOTALS FOR LAWRENCE AND ST. FRANCISVILLE POOLS																
*LAWRENCE W, LAWRENCE, 3N, 13W																
			1952	580	0.7	444.4	47	1	0	34			A	MIS	2124	
	PAINT CREEK, MIS	1978	1962	520			8	0	0				S	13		
	BETHEL, MIS	2050		#			32	0	0				S	15		
	AUX VASES, MIS	2110		20			2	1	0				S	8		
	SPAR MTN, MIS	2193	1963	40			1	0	0				L	7		
	MCCLOSKY, MIS	2225		#			2	0	0				L	11		
	2 OR MORE PAYS						2	0	0							
LEXINGTON, WABASH, 1S, 14W																
			1947	140	1.5	402.7	11	0	0	2			A	MIS	3031	
	CYPRESS, MIS	2585		10			1	0	0				S	10 AL		
	MCCLOSKY, MIS	2970		130			10	0	0				L	8 AC		

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Acre proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
LEXINGTON N, WABASH, 1S, 14W	STE. GFN, MIS	2915	1951	20 A8D 1958	0.0	6.4	2	0	0	0		L	4	MC.	MIS	3045
*LILLYVILLE, CUMBERLAND, EFFINGHAM, 8-9N, 6-7E	MCCLOSKEY, MIS	2425	1946	150	6.6	439.9	9	0	0	8	36	L	10	A	DEV	4000
LIS, JASPER, 7N, 9E	SPAR MTN, MIS	3022	1964	10 A8D 1967	0.0	0.5	1	0	1	0		S	5		MIS	3050
LITCHFIELD, MONTGOMERY, 8-9N, 5W	UNNAMED, PEN	660	1989	150 A8D 1904, REV 1942			18	0	0	0	23	0.24	S	0	STP	3000
LITCHFIELD S, MONTGOMERY, 8N, 5W	PENNSYLVANIAN	610	1967	40			4	4	0	4		S	3		PEN	690
*LIVINGSTON, MADISON, 6N, 6W	PENNSYLVANIAN	535	1948	420	6.8	673.5	59	1	0	38	36	S	15	ML	ORD	2378
*LIVINGSTON S +, MADISON, 5-6N, 6W	PENNSYLVANIAN	530	1950	570	15.9	333.4	63	1	1	45	35	S	7	ML	STL	1735
*LOCUST GROVE, WAYNE, 1N, 9E	AUX VASES, MIS DHARA, MIS MCCLOSKEY, MIS 2 OR MORE PAYS	3215 3240 3280	1951	130 90 40 #	2.8	214.1	12 7 4 1 1	0 0 0 0 0	2 1 1 0 0	2 1 1 0 0		S L L	10 4 6		MIS	3428
LOCUST GROVE S, WAYNE, 1S, 9E	DHARA, MIS SPAR MTN, MIS MCCLOSKEY, MIS 2 OR MORE PAYS	3248 3300 3286	1953 1958 1953 1958	160 160 # #	0.6	108.6	8 2 3 4 1	0 0 0 0 0	0 0 0 0 0	1		L L L	6 10 4		MIS	3410
LOGAN, FRANKLIN, 7S, 3E	SPAR MTN, MIS MCCLOSKEY, MIS	3028 3082	1966 1966 1966	20 20 #	13.0	24.0	2 1 1	0 0 0	0 0 0	2		L L	4 8		MIS	3115
LONG BRANCH, SALINE, HAMILTON, 7S, 6E	PALESTINE, MIS CYPRESS, MIS AUX VASES, MIS MCCLOSKEY, MIS 2 OR MORE PAYS	2070 2745 3095 3270	1950	70 20 20 40 20	6.0	313.5	12 2 3 6 2 1	0 0 0 0 0 0	0 0 0 0 0 0	6		S S S L	8 13 9 5	A AL AL AL AC	MIS	3394
LONG BRANCH S, SALINE, 8S, 6E	CYPRESS, MIS	2660	1955	10	0.0	8.9	1	0	0	1		S	8		MIS	3210
*LOUQUEN +, FAYETTE, EFFINGHAM, 6-9N, 2-4E	CYPRESS, MIS BETHEL, MIS BENDIST, MIS AUX VASES, MIS MCCLOSKEY, MIS CARPER, MIS GENEVA, OEV TRENTON, ORD 2 OR MORE PAYS	1500 1540 1550 1600 1785 2830 3000 3905	1937 1955	24470 21380 8660 6790 540 10 20 2600 20	7095.4	329609.7	2317 1567 341 709 9 1 3 86 2 318	13 10 3 3 0 0 1 0 0 3	36 27 6 2 0 0 0 0 0 0	1456	36 38 39 37 0.25 0.24 0.20 0.17 0.48	S S S S S O O L	30 15 10 6 4 15 12	A A A AL AC AL A A	PR	8616
LOUISVILLE N, CLAY, 4N, 6E	AUX VASES, MIS SPAR MTN, MIS	2755 2812	1953 1953 1961	90 40 50	0.5	50.9	6 2 4	0 0 0	0 0 0	3		S L	10 9	M ML ML	MIS	2977
				A8D 1956, REV 1962												

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

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Pool, County Location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of dis- covery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Com- pleted to end of 1967	Com- ple- ted in 1967	Aban- doned 1967	Pro- ducing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
LEICISVILLE S, CLAY, 2N, 6E																
	AUX VASES, MIS	2823	1960	20	0.0	0.0	2	0	1	0			S	6	MIS	3049
	OHARA, MIS	2893	1960	10			1	0	1				L	2		
				ABO 1967												
LYNCHBURG, JEFFERSON, 3S, 4E																
	MCCLOSKEY, MIS	3045	1951	60	7.4	295.4	3	0	0	2			L	8	AC	MIS 3570
*MCKINLEY, WASHINGTON, 3S, 4W																
	BENDIST, MIS	1050	1940	250	3.7	746.2	30	0	0	16			S	0	ORD	3983
	SILURIAN	2240		180			17	0	0		44	0.18	S	5	D	
				190			12	0	0		43		L	40	P	
MACEONIA, FRANKLIN, 5S, 4E																
	HARRODSBURG, MIS	4097	1961	10	0.0	6.0	1	0	0				L	12	ORD	5249
				ABO 1965												
*MAIN C +, CRAWFORD, LAWRENCE, JASPER, 5-NN, 10-14W																
	CUBA, PEN	510	1906	61450	3164.0	211612.0	11223	38	116	3832			S		ML	STO 5417
	UNNAMFO, PEN	750		59120			75	0			32		S		ML	
	KCRINSON, PEN	950		#			4	0					S	5	ML	
	PENNSYLVANIAN	1250		#			9783	31			35		S	25	ML	
	CYPRESS, MIS	1480		#			28	0					S		ML	
	PAINT CREEK, MIS	1280		650			42	0					S	15	ML	
	BETHEL, MIS	1400		4330			0						S	30	ML	
	AUX VASES, MIS	1430		#			116	4					S	18	ML	
	SPAR MTN, MIS	1515		1430			92	2					S	15	ML	
	MCCLEBLONG, MIS	1400		410			2	0					S	6	ML	
	SALEM, MIS	1815		#			133	6					L		ML	
	DEVONIAN	2795	1941	290			14	0					L	5	ML	
	2 OR MORE PAYS			50			3	0					L	11	ML	
							29	6								
*MAPLE GROVE C, EDWARDS, WAYNE, 1-2N, 9-10E																
	AUX VASES, MIS	3145	1943	2030	22.5	4390.6	106	1	3	31			S	15	A	MIS 3870
	CHARA, MIS	3230		400			25	0	3		37		S	3	AC	
	SPAR MTN, MIS	3250		1650			4	0	0				L	3	AC	
	MCCLOSKEY, MIS	3260		#			1	0	0				L	1	AC	
	SALEM, MIS	3660	1967	#			22	1	1		37		L	6	A	
	2 OR MORE PAYS			10			1	1	0				L	4		
							6	1	0							
MAPLE GROVE S, EDWARDS, IN, 10E																
	MCCLOSKEY, MIS	3250	1945	10	0.0	9.0	1	0	0	0			L	10	AC	MIS 3358
				ABO 1950												
MARCEE, JEFFERSON, 3S, 2E																
	MCCLOSKEY, MIS	2745	1938	20	0.0	13.0	2	0	0	0	22	0.54	L	15	AC	MIS 3266
				ABO 1941												
MARINE, MADISON, 4N, 6W																
	DEV-STL	1700	1943	2440	78.4	11504.3	147	1	0	133	34	0.28	L	20	P	ORD 3619
MARINE W, MADISON, 5N, 7W																
	DEVONIAN	1653	1965	20	3.6	12.6	1	0	0	1	36		L	3		ORD 3355
MARION, WILLIAMSON, 5S, 3E																
	AUX VASES, MIS	2385	1950	10	0.0	0.2	1	0	0	0	40		S	5		MIS 2560
				ABO 1951												
MARION E, WILLIAMSON, 9S, 3E																
	BETHEL, MIS	2255	1959	10	0.0	1.1	2	0	0	0			S	8		MIS 2642
				ABO 1963												
MARISSA W +, ST. CLAIR, 3-4S, 7W																
	CYPRESS, MIS	215	1962	30	0.0	0.0	3	0	0	1			S	34		MIS 308
*MARKHAM CITY, JEFFERSON, 2-3S, 4E																
	ST. GEN, MIS	3070	1942	340	19.8	1465.3	19	0	0	4	38	0.08	L	10	A	MIS 3215

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*MARKHAM CITY N, JEFFERSON, WAYNE, 2S, 4-5E																
			1943	290	34.8	1331.1	23	1	0	13			A	MIS	3169	
	AUX VASES, MIS	2950		120			9	1	0			S	5 AI			
	MCCLOSKY, MIS	3075		310			16	1	0	33	0.24	L	8 AC			
	2 OR MORE PAYS						2	0	0							
*MARKHAM CITY W, JEFFERSON, 2-3S, 4E																
			1945	490	26.8	2291.0	30	0	5	3			A	MIS	3182	
	AUX VASES, MIS	2905		310			19	0	1	38		S	15 AI			
	MCCLOSKY, MIS	3035		310			23	0	5	38		L	7 AC			
	2 OR MORE PAYS						3	0	0							
*MARTINSVILLE, CLARK, 9-10N, 13-14W																
			1907	2580			351	0	0	191			D	STD	3411	
	SHALLOW, PEN	255		2280			10	0	0			S	D			
	CASEY, PEN	500		#			95	0	0			S	D			
	MARTINSVILLE, MIS	480		500			27	0	0			L	D			
	CARPER, MIS	1340		1040			84	0	0	24		S	40 D			
	DEVONIAN	1550		700			45	0	0			L	D			
	TRENTON, ORD	2700		50			3	0	0	40		L	D			
	SEE CLARK COUNTY DIVISION FOR PRODUCTION															
*MASON N, EFFINGHAM, 6N, 5E																
			1951	200	6.7	358.5	13	0	0	7			A	MIS	2553	
	BENDIST, MIS	2290		140			8	0	0	28		S	13 AI			
	AUX VASES, MIS	2355		10			1	0	0			S	5 AI			
	SPAR MTN, MIS	2390		80			4	0	0			L	18 AC			
	MCCLOSKY, MIS	2475		#			2	0	0			L	5 AC			
	2 OR MORE PAYS						1	0	0							
MASSILON, WAYNE, EDWARDS, 1S, 9-10E																
	CHARA, MIS	3255	1946	70	0.0	91.2	3	0	0	0	37	L	A MC	MIS	3472	
	ABO 1953															
MASSILON S, EDWARDS, 1S, 10E																
	CHARA, MIS	3315	1947	10	0.0	0.3	1	0	0	0		L	0 MC	MIS	3301	
	ABO 1947															
*MATTOON, COLES, 11-12N, 7-8E																
			1939	5890	499.9	17595.0	526	5	32	297			A	STD	4015	
	CYPRESS, MIS	1750		3140			237	4	8	38	0.16	S	15 AI			
	AUX VASES, MIS	1900		500			24	1	2	38		S	15 AI			
	SPAR MTN, MIS	1950		4640			379	5	27	38	0.21	S	12 A			
	MCCLOSKY, MIS	2010		#			6	1	1	28		L	5 AC			
	CARPER, MIS	2950	1955	390			20	0	0			S	10 A			
	2 OR MORE PAYS						134	3	6							
*MATTOON N, COLES, 12N, 7E																
	SPAR MTN, MIS	1902	1960	160	19.0	300.2	12	0	0	9	40	S	12 A	MIS	1967	
MATTOON S, CUMBERLAND, 11N, 7E																
	CARPER, MIS	3035	1962	50	0.0	4.7	3	0	0	1		S	10	MIS	3337	
	ABO 1966															
MAUNIE E, WHITE, 6S, 11E																
			1951	80	1.1	55.9	6	0	0	1			AF	MIS	3089	
	TAR SPRINGS, MIS	2280		10			1	0	0			S	8			
	AUX VASES, MIS	2870	1951	70			5	0	0			S	20 AF			
	ABO 1952, REV 1955															
*MAUNIE N C, WHITE, 5-6S, 10-11E, 14W																
			1941	2120	120.8	4211.2	177	0	23	93			A	MIS	3260	
	PENNSYLVANIAN	1320		10			1	0	0			S	20 AI			
	WALTERSBURG, MIS	2305		130			10	0	0			S	12 AI			
	TAR SPRINGS, MIS	2350		160			10	0	1			S	10 AI			
	HARDINSBURG, MIS	2565		10			1	0	0			S	10 A			
	SAMPLE, MIS	2830		480			2	0	0			S	13 AI			
	BETHEL, MIS	2820		#			30	0	7	37		S	13 AI			
	RENALTI, MIS	2935		10			1	0	0			L	2 AC			
	AUX VASES, MIS	2930		870			89	1	16	35		S	13 AI			
	OHARA, MIS	2995		880			8	0	0			L	4 AC			
	SPAR MTN, MIS	3025		#			23	0	3			L	6 AC			
	MCCLOSKY, MIS	3035		#			24	0	2	35		L	10 AC			
	2 OR MORE PAYS						22	0	6							

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*MAUNIE SOUTH C, WHITE, ES, 10-11E																
			1941	1720	78.0	6739.3	166	0	2	64			A	MIS	3160	
	BRIEGPORT, PEN	1400		170			10	0	0		37	S	7 AL			
	BIEHL, PEN	1649	1959	#			3	0	0			S	AL			
	OEGONIA, MIS	1900		110			11	0	0			S	10 AL			
	PALESTINE, MIS	2010		640			54	0	0		38	S	17 AL			
	WALTERSBURG, MIS	2210		20			2	0	0			S	19 AL			
	TAR SPRINGS, MIS	2270		790			50	0	1		38	S	16 AF			
	CYPRESS, MIS	2590		370			28	0	0		39	S	10 AL			
	BETHEL, MIS	2735		10			1	0	0			S	AL			
	AUX VASES, MIS	2845	1941	120			12	0	1			S	12 AL			
	SPAR MTN, MIS	2900		40			1	0	0			L	8 AC			
	MCCLOSKEY, MIS	2920		#			4	0	0			L	6 AC			
	2 OR MORE PAYS						16	0	0							
MAYBERRY, WAYNE, 2-3S, 6E																
	MCCLOSKEY, MIS	3350	1941	120	8.0	359.9	7	0	0	2	39	0.16	L	8 AC	DEV 5377	
MAYBERRY N, WAYNE, 2S, 6E																
	MCCLOSKEY, MIS	3330	1948	10	0.0	1.4	1	0	0	0			L	2	MIS 3463	
				ABO 1950												
*MELROSE, CLARK, 9N, 13W																
	ISABEL, PEN	840	1953	150			12	0	1	2		S	10	PEN	878	
MELROSE S, CLARK, 9N 13W																
	ISABEL, PEN	865	1953	20	0.0	0.0	2	0	0	1		S	7	PEN	988	
				ABO 1959, REV 1964												
*MILETUS, MARION, 4N, 4E																
			1947	220	4.1	333.8	16	0	2	4			A	DEV	3950	
	BENOIST, MIS	2140		130			8	0	1		36	S	7 A			
	AUX VASES, MIS	2200		140			8	0	1		36	S	7 A			
	MCCLOSKEY, MIS	2350		50			3	0	1		36	L	5 A			
	2 OR MORE PAYS						3	0	1							
MILLERSBURG, BONO, 4N, 4W																
	OEVONIAN	2130	1967	20			2	2	0	2		S	2	DEV	2160	
*MILL SHOALS, WHITE, HAMILTON, WAYNE, 2-4S, 7-BE																
			1939	3210	256.2	10369.5	245	1	6	118			A	MIS	5455	
	AUX VASES, MIS	3245		2700			196	1	2		40	0.14	S	11 A		
	OHARA, MIS	3320		1000			9	0	1				OL	11 AC		
	SPAR MTN, MIS	3345		#			13	0	1				LS	8 AC		
	MCCLOSKEY, MIS	3375		#			38	0	2		38		OL	5 AC		
	ST. LOUIS, MIS	3546	1960	10			1	0	0				L	10 AC		
	SALEM, MIS	3970	1961	10			2	0	0				L	4 A		
	HARRODSBURG, MIS	4110	1959	10			1	0	0				L	10 A		
	2 OR MORE PAYS						16	0	0							
MILLS PRAIRIE, EDWARDS, 1N, 14W																
	OHARA, MIS	2925	1948	10	0.0	1.9	1	0	0	0			L	5 MC	MIS 3010	
				ABO 1952												
MILLS PRAIRIE N, EDWARDS, 1N, 14W																
	OHARA, MIS	2925	1953	30	0.0	4.9	2	0	0	0			L	5 MC	MIS 3003	
				ABO 1956												
MITCHELLSVILLE, SALINE, 10S, 6E																
			1955	20	0.6	19.3	2	0	0	1				MIS	2452	
	OEGONIA, MIS	1330	1955	10			1	0	0				S	6		
	WALTERSBURG, MIS	1505		10			1	0	0				S	9		
*MODE, SHELBY, 10N, 4E																
			1961	360	15.2	251.6	18	0	0	13				DEV	3265	
	BETHEL, MIS	1682	1961	120			8	0	0			S	12			
	BENOIST, MIS	1742	1961	360			13	0	0			S	8			
	AUX VASES, MIS	1772	1961	10			2	0	0			S	8			
	2 OR MORE PAYS		1961				7	0	0							
*MT. AUBURN C, CHRISTIAN, 15N, 1-2W																
	SILURIAN	1890	1943	7050	123.3	5916.6	410	2	11	218	37	0.28	L	15 MU	TRN 2577	

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*MT. CARMEL ++, WABASH, IN, 1S, 12W																
			1940	4370	574.3	15300.2	502	4	8	245			A	DEV	4237	
	BRIEGEPORT, PEN	1370		1050			5	0	0		34		S	20	AL	
	BIEHL, PEN	1470		#			56	1	1		37	0.28	S	20	AL	
	JORDAN, PEN	1520		#			6	0	0				S	15	AL	
	PALESTINE, MIS	1580		40			4	0	0				S	10	AL	
	WALTERSBURG, MIS	1690		30			3	0	0		36		S	10	AL	
	TAR SPRINGS, MIS	1790		410			31	0	0		36		S	13	AL	
	JACKSON, MIS	2020		10			1	0	0				S	25	AL	
	CYPRESS, MIS	2025		3550			318	1	5		36	0.17	S	15	AL	
	SAMPLE, MIS	2095		180			4	0	0				S	7	AL	
	BETHEL, MIS	2110		#			13	1	0		36		S	16	AL	
	CHARA, MIS	2320		1260			17	1	2		36		OL	5	AC	
	SPAR MTN, MIS	2350		#			14	0	2		37	0.26	S	5	AL	
	MCCLOSKEY, MIS	2360		#			65	0	1		37	0.42	OL	6	AC	
	SALEM, MIS	2696		1C			1	0	0				L	14		
	2 OR MORE PAYS						54	0	2							
MT. ERIE N, WAYNE, IN, 9E																
			1944	200	0.0	384.8	13	0	0	0			M	MIS	3366	
	AUX VASES, MIS	3110		110			5	0	0				S	8	ML	
	CHARA, MIS	3170		130			2	0	0				L	6	MC	
	MCCLOSKEY, MIS	3240		#			5	0	0		37		L	5	MC	
				ABO 1966												
MT. OLIVE +, MONTGOMERY, 8N, 5W																
	POTTSVILLE, PEN	605	1942	80	0.0		6	0	0	0	33	0.16	S	6	A	
														SIL	1978	
MT. VERNON, JEFFERSON, 3S, 3E																
			1943	220	7.4	423.8	13	0	0	5			A	MIS	3262	
	AUX VASES, MIS	2665		70			5	0	0				S	8	A	
	OHARA, MIS	2750		150			2	0	0				L	6	AC	
	MCCLOSKEY, MIS	2800		#			8	0	0		39	0.18	L	7	AC	
	2 OR MORE PAYS						2	0	0							
MT. VERNON N, JEFFERSON, 2S, 3E																
	MCCLOSKEY, MIS	2675	1956	20	2.3	57.7	2	0	0	2			L	6	MIS	
															2751	
MURDOCK, DOUGLAS, 16N, 10E																
	PENNSYLVANIAN	370	1955	10			3	0	0	1	36		S	16	PEN	
				ABO 1957, REV 1961												
NASON, JEFFERSON, 3-4S, 2E																
			1943	30	0.4	47.6	3	0	2	1			ML	MIS	3925	
	OHARA, MIS	2758	1962	30			1	0	1				L	4		
	SPAR MTN, MIS	2790	1943	#			2	0	1				S	12	MI	
														MIS	3925	
NEW BADEN E, CLINTON, 1N, 5W																
	SILURIAN	1935	1958	280	9.3	144.7	18	1	1	10			L	15	R	
														SIL	2200	
NEW BELLAIR, CRAWFORD, 8N, 13W																
			1942	150	0.0	10.0	8	0	2	2			M	DEV	2801	
	ISABEL, PEN	650		130	0.0		2	0					S	3	ML	
	PENNSYLVANIAN	1165		#	0.0	10.0	3	0			29	0.30	S	10	ML	
	AUX VASES, MIS	1280		40	0.0		3	0					S	20	M	
				ABO 1948, REV 1952, ABO 1954, REV 1956												
NEW CITY, SANGAMON, 14N, 4W																
	SILURIAN	1730	1954	290	4.2	150.6	26	2	0	11	39		L	11	MU	
														SIL	1855	
NEW CITY S, CHRISTIAN, 14N, 4W																
	SILURIAN	2008	1963	20	1.3	58.6	2	0	0	2				17	SIL	
															1918	
NEW DOUGLAS S, POND, 6N, 5W																
	PENNSYLVANIAN	640	1957	20	0.0	3.4	2	0	0	0			S	7	PEN	
				ABO 1960												
*NEW HARMONY C ++, WHITE, WABASH, EDWARDS, IN, 1-5S, 13-14W																
			1939	24650	4183.4	136781.4	2498	24	57	1211			A	SHK	7682	
	JAMESTOWN, PEN	720		1710			3	0	0		32		S	13	AL	
	MANSFIELD, PEN			#				0	0				S		AL	
	BRIEGEPORT, PEN	1340		#			8	0	0				S	7	AL	
	BIEHL, PEN	1850		#			120	2	1		37		S	20	AL	

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test			
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)			
*NEW HARMONY C ++, WHITE, WABASH, EDWARDS, 1N, 1-5S, 13-14W (CONTINUED FROM PREVIOUS PAGE)																		
JORDAN, PEN		1760		#				0	0			S		AL				
OEGONIA, MIS		1925		130			10	0	0		38	S	10	AL				
CLORE, MIS		1980		50			R	0	0			S	10	AL				
PALESTINE, MIS		2000		260			22	0	0			S	10	AL				
WALTERSBURG, MIS		2155		1170			116	3	3		34	0.40	S	20	AL			
TAR SPRINGS, MIS		2215		2350			200	1	6		35	0.19	S	26	ALF			
HAROLDSBURG, MIS		2290	1958	10			1	0	0			L	10	ALF				
CYPRESS, MIS		2570		10740			1044	5	18		35		S	20	ALF			
SAMPLE, MIS		2660		10670			60	0	0				S	20	ALF			
BETHEL, MIS		2700		#			850	9	19		34	0.24	S	27	ALF			
RENAULT, MIS		2761		10			1	0	0					9				
AUX VASES, MIS		2800		R300			614	2	22		34	0.19	S	15	ALF			
OHARA, MIS		2900		4830			35	2	2				OL	6	AC			
SPAR MTN, MIS		2910		#			44	2	2				LS	10	AC			
MCCLOSKEY, MIS		2925		#			256	1	5		35	0.33	OL	8	AC			
ST. LOUIS, MIS		3153		60			6	3	0				L					
SALEM, MIS		3364	1959	50			7	2	0				L	16	AC			
HARRODSBURG, MIS		3755		30			3	0	0				L	6	AC			
2 OR MORE PAYS							428	7	13									
NEW HARMONY S (ILL), WHITE, 5S, 14W																		
WALTERSBURG, MIS		2250	1941	90	3.2	97.4	8	0	0		1			A	MIS	3207		
TAR SPRINGS, MIS		2350		30			3	0	0				S	18	AF			
CYPRESS, MIS		2670		10			1	0	0				S	16	AF			
BETHEL, MIS		2815		10			1	0	0				S	8	AF			
AUX VASES, MIS		3005		20			2	0	0				S	10	AF			
MCCLOSKEY, MIS		3010		10			1	0	0				S	7	AF			
2 OR MORE PAYS				20			1	0	0				L	5	AF			
*NEW HARMONY S (INO) ++, WHITE, 5S, 14W																		
OEGONIA, MIS		1850	1946	50	0.0	446.4	6	0	0		4			T	MIS	306R		
PALESTINE, MIS		1955		20	0.0		2	0	0				S	8	TF			
WALTERSBURG, MIS		2120		50	0.0		1	0	0				S	10	TF			
2 OR MORE PAYS				50	0.0		3	0	0				S	30	TF			
*NEW HAVEN C ++, WHITE, 7S, 10-11E																		
TAR SPRINGS, MIS		2105	1941	630	135.7	2160.0	50	0	0		37			A	MIS	2980		
HAROLDSBURG, MIS		2245		250			19	0	0			36	0.27	S	17	AF		
CYPRESS, MIS		2445		10			1	0	0			36		S	R	AF		
AUX VASES, MIS		2720		450			17	0	0			36		S	12	AF		
OHARA, MIS		2799	1959	110			8	0	0			36		S	15	AF		
SPAR MTN, MIS		2828	1960	120			7	0	0					L	12	A		
MCCLOSKEY, MIS		2820		#			1	0	0					L	15	A		
2 OR MORE PAYS				#			5	0	0		36		OL	6	AC			
NEW HEBRON E, CRAWFORD, 6N, 12W																		
AUX VASES, MIS		1555	1954	50	0.0	0.3	4	0	0		1			S	4	MIS	1571	
NEW MEMPHIS, CLINTON, 1N, 1S, 5W																		
SILURIAN		1980	1952	640	54.6	2073.7	36	0	0		36			L	R	TRN	2900	
NEW MEMPHIS E, WASHINGTON, 1S, 4W																		
OEGONIAN		2170	1957	20	0.7	11.7	2	0	0		2			L	12	ORD	3070	
NEW MEMPHIS N, CLINTON, 1N, 5W																		
DEV-SIL		2050	1954	90	3.2	39.0	7	3	0		7			L	15	ORD	2915	
NEW MEMPHIS S, CLINTON, WASHINGTON, 1S, 5W																		
SILURIAN		2000	1952	20	0.0	0.7	2	0	0		0	27		L	25	ORD	2914	
*NEWTON, JASPER, 6N, 9E																		
STE. GFN, MIS		2950	1944	40	0.0	91.3	5	0	0		0	37		L	6	MC	MIS	3040
*NEWTON N, JASPER, 7N, 10E																		
MCCLOSKEY, MIS		2855	1945	90	0.0	6.9	6	0	0		0			L	5	MC	MIS	2941
*NEWTON W, JASPER, 6-7N, 9E																		
SPAR MTN, MIS		1947		550	17.8	266.0	35	1	4		17						MIS	3425
MCCLOSKEY, MIS		2912	1962	200			12	1	0					L	5			
2 OR MORE PAYS		3000	1947	580			29	1	4					L	7	MC		
ABO 1953, REV 1961																		

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
NOBLE W, CLAY, 2N, 8E																
	MCCLOSKEY, MIS	3035	1951	10	0.0	9.3	1	0	0	0			L	A	MIS	3622
				ABO 1959												
*OAKDALE, JEFFERSON, 2S, 4E																
			1956	390	86.0	772.9	30	4	1	22					MIS	3767
	AUX VASES, MIS	2860		370			26	4	1				S	35		
	MCCLOSKEY, MIS	2985	1956	70			5	0	0				L	5		
	2 OR MORE PAYS						1	0	0							
*OAKDALE N, JEFFERSON, 2S, 4E																
	MCCLOSKEY, MIS	2932	1960	170	50.1	496.2	12	0	2	7			OL	5	MIS	3077
OAKLEY, MACON, 16N, 3E																
	CEGAR VALLEY, DEV	2285	1954	150	0.0	22.9	9	0	0	1	37		L	5	DEV	2335
*OAK POINT, CLARK, JASPER, 8-9N, 14W																
			1952	700	50.0	407.2	55	0	1	33					DEV	2691
	ISABEL, PEN	560		10	0.0	0.0	1	0	0				S	10	ML	
	AUX VASES, MIS	1185	1955	650			51	0	0				S	17		
	CARPER, MIS	2220		40			3	0	1				L		ML	
OAK POINT W, CLARK, CUMBERLAND, 9N, 11E, 14W																
	AUX VASES, MIS	1190	1955	110	0.3	14.5	9	0	0	6			S	8	MIS	1560
*OOLIN, MARION, 2N, 1-2E																
			1945	340	5.0	1804.4	31	0	0	23					DEV	3597
	CYPRESS, MIS	1750		340			29	0	0		38		S	13	AL	
	BENDIST, MIS	1912	1963	10			1	0	0				S	3		
	MCCLOSKEY, MIS	2085	1957	10			2	0	0				L	12	A	
OKAWVILLE, WASHINGTON, 1S, 4W																
	SILURIAN	2325	1951	50	1.7	61.9	4	0	0	3			L	3	P	SIL
OKAWVILLE N, WASHINGTON, 1S, 4W																
	SILURIAN	2235	1955	80	0.8	29.2	7	1	1	5	41		L		SIL	2498
*OLD RIPLEY, BONO, 5N, 4W																
			1954	880	12.9	424.2	75	0	0	61					DEV	2221
	PENNSYLVANIAN	600	1954	870			74	0	0		34		S	17	A	
	AUX VASES, MIS	941	1964	10			1	0	0				S	19		
OLD RIPLEY N, BONO, 5N, 4W																
	HARON, DEV	1991	1962	20	0.0	3.0	1	0	0	0			S	1	DEV	2040
				ABO 1966												
*OLNEY C, RICHLAND, JASPER, 4-5N, 10																
			1938	3470	73.9	7552.3	199	1	5	49					MIS	3850
	AUX VASES, MIS	2918	1960	80			5	0	0				S		A	
	OHARA, MIS	3005		3410			15	0	0		37	0.19	L	6	A	
	SPAR MTN, MIS	3050		#			54	1	3		37	0.19	L	5	A	
	MCCLOSKEY, MIS	3100		#			131	0	2		37	0.19	L	6	A	
	2 OR MORE PAYS						8	0	0							
*OLNEY S, RICHLAND, 3N, 10E																
			1937	930	11.1	956.4	57	0	3	32					DEV	4910
	OHARA, MIS	3142	1962	930			1	0	0				L	4		
	SPAR MTN, MIS	3100		#			36	0	2				L	4	MC	
	MCCLOSKEY, MIS	3115		#			36	0	2				L	3	MC	
	2 OR MORE PAYS						18	0	1							
*OMAHA *, GALLATIN, 7-8S, 8E																
			1940	1750	175.3	4652.6	160	0	3	130					MIS	3408
	JAKE CREEK, PEN	385		340			15	0	0				S	20	0	
	PENNSYLVANIAN	580		#			5	0	0				S	10	0	
	BIEHL, PEN	1335		#			5	0	0				S	10	0	
	PALESTINE, MIS	1700		410			27	0	0		27	0.24	S	15	0	
	TAR SPRINGS, MIS	1900		160			9	0	0				S	15	0	
	HAROLDSBURG, MIS	2179	1961	80			6	0	0				S	18	0	
	CYPRESS, MIS	2402	1959	150			12	0	1				S	12	0	

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
OSKALOOSA S, CLAY, 3N, 5E																
	MCCLOSKEY, MIS	2770	1951	110	10.3	44.2	9	5	1	1			L	4	AC	MIS 2883
PANA, CHRISTIAN, 11-12N, 1E																
	BENOIST, MIS	1470	1951	60	5.4	107.0	5	0	0	4	37		S	8		DFV 2847
PANAMA #, BCAC, MCNTGEMERY, 7N, 3-4W																
			1940	60	0.2	21.6	6	0	0	2					A	DFV 2016
	GOLCONDA, MIS	705		40			4	0	0		31		L	12	A	
	BENOIST, MIS	865		20			2	0	0		28		S	12	A	
PANKEYVILLE, SALINE, 9S, 6E																
			1956	30	0.0	6.1	2	0	0	1						MIS 2742
	CYPRESS, MIS	2250	1956	20	0.0	6.1	2	0	0				S			
	AUX VASES, MIS	2511	1961	10	0.0		1	0	0				S	22		
	ABD 1957, RFV 1961															
PANKEYVILLE E, SALINE, 9S, 7E																
			1956	10	0.0	0.0	1	0	0	0						MIS 2604
	CYPRESS, MIS	2250		10	0.0	0.0	1	0	0				S			
	PAINT CREEK, MIS	2360		10	0.0	0.0	1	0	0				S	13		
	2 OR MORE PAYS						1	0	0							
	ABD 1957															
*PARKERSBURG C, RICHLAND, EDWARDS, 1-3N, 10-11E, 14W																
			1941	5120	53.7	10757.3	299	5	3	85					A	DFV 5128
	PENNSYLVANIAN	2100	1967	10			1	1	0				S	18		
	WALTERSBURG, MIS	2430		110			9	0	0				S	10	A	
	TAR SPRINGS, MIS	2440	1967	10			1	1	1				S	2	A	
	CYPRESS, MIS	2830		170			9	0	0				S	12	A	
	BETHEL, MIS	2930		300			19	2	0				S	12	A	
	AUX VASES, MIS	3070		10			1	0	0				S	20	A	
	OHARA, MIS	3100		4540			4	0	0				L	10	A	
	SPAR MTN, MIS	3150		#			51	1	0		37	0.34	L	10	A	
	MCCLOSKEY, MIS	3175		#			192	0	2		38	0.31	OL	10	A	
	2 OR MORE PAYS						30	0	0							
PARKERSBURG S, EDWARDS, 1N, 14W																
			1948	100	0.8	75.9	9	0	0	5						MIS 3187
	PENNSYLVANIAN	1430		70			6	0	0				S	10		
	CYPRESS			10			1	0	0				S			
	BETHEL, MIS	2815		20			3	0	0				S	5		
PARKERSBURG W, RICHLAND, EDWARDS, 2N, 10E																
			1943	310	0.0	234.6	18	0	0	1					A	MIS 3780
	OHARA, MIS	3220		390	0.0		1	0	0				L	5	AC	
	MCCLOSKEY, MIS	3260		#	0.0		17	0	0		37		L	6	AC	
	ABD 1962, REV 1964															
PARNELL, DEWITT, 21N, 4E																
			1963	350		11.0	26	1	1	25	32		S	12		TRN 1971
	SONORA, MIS	671	1963	330		11.0	23	1	1		32		S	12		
	DEVONIAN		1964	20		0.4	3	0	0				S	12		
*PASSPORT, CLAY, 4-5N, BE																
			1945	980	110.0	3119.9	63	1	1	37					A	MIS 3831
	AUX VASES, MIS	2924	1964	10			3	0	1				S	6		
	SPAR MTN, MIS	3005		970			2	0	0				L	5	AC	
	MCCLOSKEY, MIS	3020		#			59	1	0		37		L	10	A	
	2 OR MORE PAYS						1	0	0							
PASSPORT N, RICHLAND, 5N, 9E																
	AUX VASES, MIS	2940	1959	60	2.9	45.4	5	0	0	3	36		S	10		MIS 3200
*PASSPORT S, RICHLAND, CLAY, 4N, 8-9E																
			1948	130	0.7	171.9	11	0	0	1					A	MIS 3692
	TAR SPRINGS, MIS	2368	1962	10			1	0	0				S	9		
	CYPRESS, MIS	2665		80			7	0	0		38		S	15	AL	
	AUX VASES, MIS	2957	1960	10			1	0	0				S	8	A	
	SPAR MTN, MIS	3025		40			1	0	0				L	6	AC	
	MCCLOSKEY, MIS	3030		#			2	0	0		38		L	8	AC	
	2 OR MORE PAYS						1	0	0							

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of dis- covery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Com- pleted to end of 1967	Com- ple- ted in 1967	Aban- doned 1967	Pro- ducing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
PASSPORT W, CLAY, 4N, 8E																
	STE. GEN, MIS	3030	1954	150 A80 1967	0.0	69.4	10	0	1	0	37	L	5 AC	MIS	3130	
*PATOKA, MARION, CLINTON, 3-4N, 1E, 1W																
			1937	1560	126.2	14047.8	239	0	1	109			0	ORO	4056	
	CYPRESS, MIS	1280		60			8	0	0		39	S	10	0		
	BENDIST, MIS	1410		1000			180	0	1		39	S	27	0		
	SPAR MTN, MIS	1550		510			15	0	0		39	0.31	S	9	0	
	GENEVA, OEV	2835		30			3	0	0		40	0.38	0	10	0	
	TRENTON, ORO	3950	1956	630			34	0	0		39	L	25	0		
	2 OR MORE PAYS						2	0	0							
*PATOKA E, MARION, 4N, 1E																
			1941	560	104.5	4915.2	64	0	3	39			0	ORO	4178	
	CYPRESS, MIS	1340		560			54	0	3		36	0.18	S	16	0	
	BENDIST, MIS	1465		50			5	0	0		36	0.23	S	10	0	
	MCCLOSKY, MIS	1635		40			3	0	0			L	8	0		
	GENEVA, OEV	2950		20			2	0	0		35	0	30	2		
*PATOKA S, MARION, 3N, 1E																
			1953	910	226.3	1692.6	72	0	1	53			A	MIS	1728	
	CYPRESS, MIS	1350	1953	730			55	0	1			S	10	A		
	BENDIST, MIS	1461	1959	200			16	0	0			S	15	A		
	SPAR MTN, MIS	1624	1959	40			1	0	0			S	5	A		
PATOKA W, FAYETTE, 4N, 1W																
	BENDIST, MIS	1380	1950	200 A80 1965	0.0	303.6	20	0	1	0	32	S	6 A	MIS	1735	
*PHILLIPSTOWN C, WHITE, EDWARDS, 3-5S, 10-11E, 14W																
			1939	6400	655.6	21362.4	560	3	4	331			A	DEV	5350	
	ANVIL ROCK, PEN	795		1470			1	0	0		36	S	10	AF		
	CLARK-BROGPT, PEN	1350		#			14	0	0		36	S	10	AF		
	PENNSYLVANIAN	1450		#			12	1	0		36	S	10	AF		
	SUCHANAN, PEN	1550		#			24	0	0		36	S	15	AF		
	RIEHL, PEN	1875		#			66	1	0		36	0.22	S	15	AF	
	KINKAID, MIS	1954	1961	10			1	0	0			S	17	AF		
	DEGONIA, MIS	1975		710			57	0	1		35	S	15	AF		
	CLORE, MIS	2010		160			15	0	0		34	S	12	AF		
	PALESTINE, MIS	2050		90			8	0	0			S	11	AF		
	WALTERSBURG, MIS	2280		80			8	0	0			S	11	AF		
	TAR SPRINGS, MIS	2295		1080			87	0	1		35	S	15	AF		
	CYPRESS, MIS	2720		520			46	0	0		36	S	12	AF		
	PAINT CREEK, MIS	2780		1530			7	0	0			S	9	AF		
	BETHEL, MIS	2810		#			108	0	2		37	S	15	AF		
	AUX VASES, MIS	2880		940			71	1	1		37	S	15	AF		
	OHARA, MIS	3010		1980			28	0	0			L	10	ACF		
	SPAR MTN, MIS	2960		#			34	0	0		38	0.21	LS	10	ACF	
	MCCLOSKY, MIS	3000		#			68	0	0		36	0.21	L	6	ACF	
	2 OR MORE PAYS						92	0	0							
	CLARK-BRIDGEPORT, PEN WAS ABBREVIATED AS CLARK-BROGPT, PEN															
*PHILLIPSTOWN S, WHITE, 5S, 10E																
			1951	190	5.1		14	0	3	8			M	MIS	3161	
	TAR SPRINGS, MIS	2345	1951	100			7	0	2			S	10	MF		
	AUX VASES, MIS	2985	1951	60			5	0	1			S	10	MF		
	SPAR MTN, MIS	3083	1961	20			1	0	0			L	8	MF		
	MCCLOSKY, MIS	3065	1957	#			1	0	0			L	4	M		
PINKSTAFF, LAWRENCE, 4N, 11W																
	MCCLOSKY, MIS	1735	1951	10 A80 1951	0.0	0.1	1	0	0	0		L	4	MIS	1797	
PINKSTAFF E, LAWRENCE, 4N, 11W																
	MCCLOSKY, MIS	1640	1955	10 A80 1961	0.0		1	0	0	0		L	6	MIS	2193	
PITTSBURG N W, WILLIAMSON, 8S, 3E																
	AUX VASES, MIS	2578	1964	20	3.7	19.8	2	0	0	2		SL	8	MIS	2904	
PIXLEY, CLAY, 4N, 8E																
	CYPRESS, MIS	2680	1959	20 A80 1960	0.0		2	0	0	0		S	9	MIS	3121	
PLAINVIEW W, MACOUPIN, 9N, 8W																
	PENNSYLVANIAN	410	1942	10	0.0	2.0	1	0	0	0	34	S	5	DEV	513	

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acrea	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test		
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, atructure	Zone	Depth (ft)		
PLAINVIEW S, MACOUPIN, 8N, 8W	PENNSYLVANIAN	444	1959	10 ABO 1962	0.0		1	0	0	0			S	8	PEN	642	
POSEN, WASHINGTON, 3S, 2W	TRENTON, ORD	3900	1952	50	3.3	84.8	4	0	0	1			L	25	A	ORD	3954
POSEN N, WASHINGTON, 3S, 2W	TRENTON, ORD	4015	1953	10 ABO 1959	0.0	3.9	1	0	0	0			L	15	AC	ORD	4112
POSEN S, WASHINGTON, 3S, 2W	BENOIST, MIS	1255	1955	50 ABO 1959	0.0		4	0	0	0			S	2		MIS	1300
POSEY, CLINTON, 1N, 2W	CYPRESS, MIS	1105	1941	260	47.1	145.9	24	0	0	22						SIL	2798
	DEVONIAN	2675	1959	250 10			23 1	0 0	0 0		36	0.18	S L	5 5	M M		
POSEY E, CLINTON, 1N, 2W	DEV-SIL	2740	1952	460	20.5	432.7	26	0	0	24			L	8		DEV	2805
POSEY W, CLINTON, 1N, 3W	DEVONIAN	2585	1954	10 ABO 1954	0.0	0.8	1	0	0	0			L	15		DEV	2604
PRENTICE +, MORGAN, 16N, 8W	PENNSYLVANIAN	270	1953	30	0.0	0.0	3	0	0	0			S	10		ORD	1513
PYRAMID, WASHINGTON, 2S, 1W	DEVONIAN	3109	1962	100	2.4	41.2	6	0	0	2			S	6		DEV	3255
*RACCCCA LAKE, MARION, 1N, 1E	CYPRESS, MIS	1625	1949	380	27.7	3284.1	47	0	0	16						SIL	3530
	BENOIST, MIS	1715	1957	240			18	0	0				S	10	D		
	OHARA, MIS	1885		20			2	0	0				S	15	DI		
	SPAR MTN, MIS	1930		190			1	0	0				L	5	DC		
	MCCLOSKEY, MIS	1950		#			11	0	0				S	12	OC		
	DEV-SIL	3330		#			13	0	0				L	10	DC		
	2 OR MORE PAYS			270			15	0	0				0	10	R		
							10	0	0								
*RALEIGH, SALINE, 7-ES, 6E	TAR SPRINGS, MIS	2235	1953	570	95.3	2003.5	49	0	0	18						MIS	3249
	CYPRESS, MIS	2550		20			2	0	0				S	20	A		
	PAINT CREEK, MIS	2738	1958	440			38	0	0				S	12	A		
	AUX VASES, MIS	2905		10			1	0	0				S	5	A		
	OHARA, MIS	3054	1959	80			8	0	0				S	5	A		
	SPAR MTN, MIS	3025	1957	20			1	0	0				L	3	A		
	2 OR MORE PAYS			#			1	0	0				LS	10	A		
							2	0	0								
*RALEIGH S +, SALINE, 8S, 5-6E	WALTERSBURG, MIS	2046	1955	370	59.3	1081.8	34	0	1	10						MIS	3292
	BETHEL, MIS	2739	1958	60			4	0	0				S	10			
	AUX VASES, MIS	2860	1955	10			1	0	0				S	8			
	2 OR MORE PAYS		1958	300			30	0	1				S	16			
							1	0	0								
RAYMOND, MONTGOMERY, 10N, 4-SW	POTTSVILLE, PEN	590	1940	60	0.8	26.0	10	0	0	0	35	0.22	S	10	ML	DEV	2049
*RAYMOND E, MONTGOMERY, 10N, 4W	PENNSYLVANIAN	595	1951	60	0.0	28.3	5	0	0	2	34		S	10		MIS	1008
RAYMOND S, MCNTGOMERY, 10N, 4W	UNNAMED, PEN	603	1959	10 ABO 1959	0.0	0.0	1	0	0	0			S	6		PEN	680

TABLE B - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API		Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
											Sulfur (%)					
RESERVOIR, JEFFERSON, 1S, 3E																
SPAR MTN, MIS	2443	1559	240	19.2	394.9	16	0	1	8			S	7	MC	MIS	3211
MCCLOSKEY, MIS	2700	1950	#			14	0	1				L	6	MC		
SALEM, MIS	3034	1961	10			1	0	0				L	12	M		
*RICHVIEW, WASHINGTON, 2S, 1W																
CYPRESS, MIS	1500	1546	730	90.1	1226.1	80	0	0	75			S	12	AL	MIS	3291
RICHWAY, CALLAHAN, 8S, 8E																
PALESTINE, MIS	1730	1955	10	0.0	0.1	2	0	0	0			S	18	ML	MIS	2938
MCCLOSKEY, MIS	2840	1546	10	0.0	0.1	1	0	0				L	6	MC		
ABD 1946, REV 1955, ABD 1956																
RIFELE, CLAY, 4N, 6E																
SPAR MTN, MIS	2735	1948	80	0.0	80.9	5	0	0	0	36		L	7	MC	MIS	2848
ABD 1961																
RINARD, WAYNE, 2N, 7E																
MCCLOSKEY, MIS	3145	1937	10	0.0	7.0	1	0	0	0	32		L	5	AC	MIS	3222
ABD 1942																
RINARD N, WAYNE, 2N, 7E																
SPAR MTN, MIS	3135	1952	240	17.2	261.9	18	3	1	8			L	6	MC	MIS	2467
MCCLOSKEY, MIS	3140		#		244.7	17	3	1				L	5	MC		
RINARD S, WAYNE, 1N, 6E																
SPAR MTN, MIS	3268	1965	10	0.0	0.8	1	0	0	0			L	4		MIS	2347
ABD 1966																
RITTER, RICHLAND, 3N, 10-11E																
STE. GEN, MIS	3215	1950	110	4.5	252.4	6	0	0	2			L	5		MIS	3225
ABD 1960, REV 1961																
*RITTER N, RICHLAND, 3N, 11E																
OHARA, MIS	3203	1951	180	0.2	161.3	11	0	3	0						MIS	3288
SPAR MTN, MIS	3215	1952	20			1	0	0				L	6			
MCCLOSKEY, MIS	3205	1951	160			8	0	3				L	6			
2 OR MORE PAYS		1960	60			3	0	0				L	5			
ABD 1967																
RIVERTON S, SANGAMON, 15N, 4W																
SILURIAN	1590	1965	40	25.7	35.6	3	0	0	3			0	8		SIL	1670
ROADCHES, JEFFERSON, 2S, 1E																
BENOIST, MIS	2000	1938	180	0.0	619.8	13	0	0	2					A	DEV	3840
OHARA, MIS	2170		10			3	0	0				S		AL		
SPAR MTN, MIS	2190		170			3	0	0		37	0.22	L	5	AC		
MCCLOSKEY, MIS	2250		#			8	0	0		37	0.22	L	12	AC		
2 OR MORE PAYS			#			6	0	0		37	0.22	L	4	AC		
ABD 1967																
*ROADCHES N, JEFFERSON, 2S, 1E																
BENOIST, MIS	1925	1944	370	57.3	1663.6	35	0	1	22					A	TRN	4996
SPAR MTN, MIS	2115		420			32	0	0				S	7	A		
TRENTON	4852	1962	60			4	0	0				L	8	AC		
2 OR MORE PAYS			10			1	0	1				L	44			
ABD 1962																
ROBY, SANGAMON, 15N, 3W																
SILURIAN	1775	1949	210	11.4	235.6	16	0	0	10						SIL	1905
ABD 1951, REV 1954																
ROBY N, SANGAMON, 15N, 3W																
SILURIAN	1699	1962	64	0.0	18.3	3	0	0	0			L	4		TRN	2300
ABD 1964																
ROBY W, SANGAMON, 15N, 3W																
HIRBARO, DEV	1655	1957	20	0.0	2.5	2	1	0	1			S	5	MU	TRN	2259
ABD 1963, REV 1967																

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*ROCHESTER ++, WABASH, 2S, 13W																
			1948	370	92.2	2263.2	49	3	0	31			M	MIS	2910	
PENNSYLVANIAN	1300			230			22	3	0			S	16	MCF		
WATERSBURG, MIS	1940			210			27	0	0			S	20	ML		
2 OR MORE PAYS							3	0	0							
*ROLAND C +, WHITE, GALLATIN, 5-7S, 8-9E																
			1940	10290	674.4	45694.4	897	8	68	458			A	DEV	5260	
PENNSYLVANIAN	1410			20			5	0	0		36	S	10	A		
DEGONIA, MIS	2065			40			4	0	0			S	7	A		
CLORE, MIS	1993	1963		70			4	0	1			S	4			
PALESTINE, MIS	2085			40			4	0	0		36	S	2	A		
WALTERSBURG, MIS	2200			1870			118	1	1		38	C. 25	S	15	AL	
TAR SPRINGS, MIS	2300			550			36	0	4		37	S	15	AL		
HARDINSBURG, MIS	2550			1820			145	2	17		36	C. 20	S	20	AL	
GOLCUNDA, MIS	2505	1955		10			1	0	0			S	5	A		
CYPRESS, MIS	2700			2180			137	3	18		32	C. 12	S	15	AL	
PAINT CREEK, MIS	2800			2230			36	4	9		36	S	12	AL		
BETHEL, MIS	2800			#			78	0	10		32	C. 20	S	12	AL	
AUX VASES, MIS	2840			4100			246	5	16		32	C. 12	S	13	AL	
OHARA, MIS	3020			2050			25	1	3		36	ML	L	6	AC	
SPAR MTN, MIS	3050			#			25	0	8		37	L	L	6	AC	
MCCLOSKEY, MIS	3070			#			82	0	5		37	C. 20	L	6	AC	
ST. LOUIS, MIS				30			3	1	0			L	L	AC		
SALEM, MIS	4089			30			3	1	1			L	19			
HARRODSBURG	4050			10			1	0	0			L	4			
2 OR MORE PAYS							127	5	20							
ROLAND W, SALINE, 7S, 7E																
AUX VASES, MIS	2935	1950		10	0.0	22.3	1	0	0	0		S	15	ML	MIS	3161
				ABD 1959												
ROSE HILL, JASPER, 8N, 9E																
MCCLOSKEY, MIS	2695	1966		10	0.5	1.3	1	0	0	1		L	10		MIS	3352
*RUARK, LAWRENCE, 2N, 12-13W																
			1941	470	18.9	2480.3	47	2	3	26			A	MIS	2442	
PENNSYLVANIAN	1600			370			36	2	3		33	S	10	AL		
BETHEL, MIS	2075			90			7	0	0			S	11	AL		
AUX VASES, MIS	2145			30			3	0	0			S	7	AL		
OHARA, MIS	2275			10	0.0	0.0	1	0	0			L	5	AC		
2 OR MORE PAYS							1	0	0							
*RUARK W C, LAWRENCE, 2N, 13W																
			1947	680	135.0	1029.5	59	1	3	32			M	MIS	3112	
WALTERSBURG, MIS	1780			50			6	0	0			S	10	ML		
CYPRESS, MIS	2165			10			1	0	1			S	9	ML		
BETHEL, MIS	2220			580			44	1	1			S	20	ML		
OHARA, MIS	2350			80			4	0	0			L	5	MC		
SPAR MTN, MIS	2390			240			2	0	0			L	5	MC		
MCCLOSKEY, MIS	2400			#			14	0	2			L	3	MC		
2 OR MORE PAYS							11	0	1							
*RURAL HILL N, HAMILTON, 5S, 5E																
			1949	100	3.5	207.3	8	0	0	3			M	MIS	3468	
CYPRESS, MIS	2930	1956		90			7	0	0			S	10	ML		
SPAR MTN, MIS	3325			10			1	0	0			L	8	MC		
				ABD 1950, REV 1956												
RUSHVILLE, SCHUYLER, 2N, 1W																
DEV-SIL	743	1966		10			1	0	0	1		L	22		SIL	795
RUSHVILLE NW, SCHUYLER, 2N, 2W																
SILURIAN	669	1960		20	0.0	0.5	2	0	0	1		L	3	AC	TRN	1038
RUSSELLVILLE CAS +, LAWRENCE, 4-5N, 10-11W																
MCCLOSKEY, MIS	1560	1937		10	0.0	12.4	2	0	0	0		L	7	AC	DEV	3133
RUSSELLVILLE W, LAWRENCE, 2N, 11W																
SPAR MTN, MIS	1565	1955		10	0.0	2.0	1	0	0	0		L	22		MIS	1644
				ABD 1957												
*ST. FRANCISVILLE, LAWRENCE, 2N, 11W																
BETHEL, MIS	1845			950			87	0	0	43	32	S	6	ML	MIS	2465
SEE LAWRENCE COUNTY DIVISION FOR PRODUCTION																

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*ST. FRANCISVILLE E, LAWRENCE, 2N, 11W																
			1941	380	23.5	628.0	34	2	0	28				A	MIS	1960
PENNSYLVANIAN	1260			60			6	0	0			S	8	AL		
WALTERSBURG, MIS	1300			10			1	0	0			S	6	AL		
HARDINSBURG, MIS	1460			40			3	0	0			S	6	AL		
CYPRESS, MIS	1605			40			2	0	0			S	15	AL		
BETHEL, MIS	1750			250			21	2	0		37	0.21	S	20	A	
SPAR MTN, MIS	1822	1963		10			1	0	0				L	5		
*ST. JACOB, MADISON, 3N, 6W																
TRENTON, ORD	2260	1942		1050	111.0	3651.1	55	0	0	29	40	0.23	L	17	A	PC 5019
ST. JACOB E, MADISON, 3N, 6W																
HARDIN, DEV	1840	1955		10	0.0	1.1	1	0	0	0			S	U	ORD	2600
ABO 1957																
*ST. JAMES, FAYETTE, 5-6N, 2-3E																
			1938	2270	343.7	18292.6	262	0	3	159				A	DEV	3470
GOLCONOA, MIS	1555			10	0.0		1	0	0				L	15	A	
CYPRESS, MIS	1580			1890			199	0	3		34	0.31	S	16	A	
BENOIST, MIS	1746	1959		10			1	0	0				S	8	A	
SPAR MTN, MIS	1860			100			10	0	0		38		L	16	A	
CARPER, MIS	3070	1961		670			52	0	0				S	35	A	
2 OR MORE PAYS							1	0	0							
ST. PAUL, FAYETTE, 5N, 3E																
			1941	380	25.0	902.2	36	0	0	25				A	DEV	3575
BENOIST, MIS	1900			240			18	0	0		34	0.23	S	9	A	
SPAR MTN, MIS	2080			10			1	0	0				L	6	A	
CARPER, MIS	3288	1963		290			19	0	0		36		S	28		
*STE. MARIE, JASPER, 5N, 10-11E, 14W																
STE. GEN, MIS	2900	1941		1110	85.7	1641.0	64	1	4	23	38	0.14	L	8	AC	MIS 3470
STE. MARIE E, JASPER, 6N, 14W																
ST. GEN, MIS	2685	1949		60	2.0	5.3	7	0	0	3			L	10	MC	MIS 3191
ABO 1951, REV 1966																
STE. MARIE W, JASPER, 5-6N, 1CE																
			1949	400	19.6	366.2	20	3	1	16				M	MIS	3225
AUX VASES, MIS	2720	1949		10			1	0	0		38		S	25	ML	
MCCLOSKEY, MIS	2815			400			20	3	1		38		L	6	MC	
SAILOR SPRINGS CEN, CLAY, 3-4N, 7-8E																
			1948	70	0.0	6.1	7	0	0	2				M	MIS	3128
TAR SPRINGS, MIS	2330			50	0.0	1.0	5	0	0				S	6	ML	
SPAR MTN, MIS	3015			20	0.0	5.0	2	0	0				L	4	MC	
ABO 1955, REV 1957, ABO 1961, REV 1964																
*SAILOR SPRINGS C, CLAY, EFFINGHAM, JASPER, 3-6N, 6-8E																
			1938	16980	2500.0	45641.1	1230	37	82	688				A	DEV	4486
TAR SPRINGS, MIS	2340			720			49	0	11		37	0.17	S	12	A	
GLEN OGAN, MIS	2390			10			1	0	0				L	8	A	
CYPRESS, MIS	2550			8970			629	27	38		39	0.28	S	12	A	
BETHEL, MIS	2740			660			37	1	1		36		S	20	A	
AUX VASES, MIS	2825			1970			141	1	7		39		S	13	A	
OHARA, MIS	2900			6710			13	0	0		37		OL	6	A	
SPAR MTN, MIS	2900			#			134	8	4				LS	8	A	
MCCLOSKEY, MIS	2925			#			285	1	22		38		OL	8	A	
ST LOUIS, MIS	3310	1967		10			1	1	0				L	11	A	
2 OR MORE PAYS							91	2	1							
SAILOR SPRINGS E, CLAY, 4N, 8E																
			1944	170	0.0	63.9	14	1	0	2				0	MIS	3614
CYPRESS, MIS	2695			110	0.0	62.0	10	0	0				S	8	0	
MCCLOSKEY, MIS	3020	1955		40	0.0	2.0	4	1	0				L	7	0	
SALEM, MIS	3550	1967		20			1	1	1				L	6		
ABO 1952, REV 1955, ABO 1956, REV 1960, ABO 1961, REV 1966																
SAILOR SPRINGS N, CLAY, 4N, 8E																
			1948	60	0.0	4.8	5	0	0	0				M	MIS	3126
SPAR MTN, MIS	2985			60			3	0	0				L	2	MC	
MCCLOSKEY, MIS	3030			#			4	0	0				L	2	MC	
2 OR MORE PAYS							2	0	0							
ABO 1949, REV 1950, ABO 1951, REV 1955, ABO 1956, REV 1957, ABO 1960																

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*SALEM C, MARION, JEFFERSON, 1-2N, 1S, 1-2E																
			1938	13580	4250.0	334642.1	2838	2	42	1446					PC	9210
	BENOIST, MIS	1780		10830			623	1	12		33		S	40	A	
	AUX VASES, MIS	1825		759			822	2	7		39	0.21	S	40	A	
	CHARA, MIS	2075		950			2	0	0		37		L	3	A	
	SPAR MTN, MIS	2100		#			149	0	6		37		LS	15	A	
	MCCLOSKEY, MIS	2050		#			885	0	11		37		L	17	A	
	ST. LOUIS, MIS	2100		180			16	1	0		37		L		A	
	SALEM, MIS	2160		135			274	0	1		37		L	17	A	
	DEVONIAN	3440		5680			638	0	4		42	0.28	L	40	A	
	TRENTON, ORO	4500		1920			98	0	2		39		L	50	A	
	2 OR MORE PAYS						739	0	1							
SAMSVILLE, EDWARDS, 1N, 11E																
	WALTERSBURG, MIS	2420	1942	40	0.0	1.0	3	0	0	0			S	7	A	MIS 3303
				A80 1952												
*SAMSVILLE N, EDWARDS, 1N, 14W																
	BETHEL, MIS	2900	1945	200	1.5	252.6	16	0	0	2			S	6	A	MIS 3220
SAMSVILLE NW, EDWARDS, 1N, 10E																
	OHARA, MIS	3190	1955	10	0.0	3.0	1	0	0	0			I	4		MIS 3249
				A80 1956												
SAMSVILLE W, EDWARDS, 1N, 10E																
			1951	80	0.5	177.2	5	0	0	1					MIS	3425
	OHARA, MIS	3260		80			3	0	0				L	6		
	SPAR MTN, MIS	3275		#			2	0	0				L	6		
	MCCLOSKEY, MIS	3275		#			2	0	0				L	6		
SANDOVAL, MARION, 2N, 1E																
			1909	500	40.4	6055.6	153	0	0						STO	5923
	CYPRESS, MIS	1400		20			1	0	0				S	10	D	
	BENOIST, MIS	1540		480			123	0	0		35		S	20	D	
	CENEVA, DEV	2920		240			28	0	0		39	0.39	D	9	D	
	2 OR MORE PAYS						1	0	0							
SANDOVAL W, CLINTON, 2N, 1W																
			1946	10	0.0	26.3	1	0	0	0					A	MIS 1604
	CYPRESS, MIS	1420	1946	10	0.0	26.3	1	0	0				S	4	A	
	BENOIST, MIS		1961	10	0.0		1	0	0				S		A	
				A80 1960												
SANTA FE, CLINTON, 1N, 3W																
	CYPRESS, MIS	955	1944	10	0.0	1.5	1	0	0	0			S	10	A	DEV 2542
				A80 1947												
SCHNELL, RICHLAND, 2N, 9E																
	MCCLOSKEY, MIS	3000	1938	50	1.0	278.2	5	0	0		2	37	0.19	DI	5	AC MIS 3145
SCHNELL E, RICHLAND, 2N, 9E																
	MCCLOSKEY, MIS	3115	1954	10	0.0	0.3	1	0	0	0			L	4	AC MIS 3150	
				A80 1954												
SCICTA, MCDONOUGH, 7N, 3W																
	DEVONIAN	519	1960	10	0.0	0.0	1	0	0	0	28		L	16		STL 760
				A80 1960												
*SEMINARY, RICHLAND, 2N, 10E																
	MCCLOSKEY, MIS	3195	1945	120	0.0	228.4	8	0	0	1			L	8	MC MIS 3330	
*SESSER C, FRANKLIN, 5-6S, 1-2E																
			1942	1590	62.8	2648.5	103	0	1	73					A	OFV 4689
	CYPRESS, MIS	2455		40			2	0	0				S	5	AL	
	RENAULT, MIS	2690		340			26	0	1		39	0.17	S	10	AC	
	AUX VASES, MIS	2700		1210			71	0	0		39	0.17	S	10	AL	
	OHARA, MIS	2675		100			2	0	0				L		A	
	SPAR MTN, MIS	2810		#			4	0	0				L	10	AC	
	MCCLOSKEY, MIS	2840		#			5	0	0				L	5	AC	
	ST. LOUIS, MIS	3002		10			1	0	0				L	20	AC	
	CLEAR CREEK, DEV	4360		120			7	0	0				L		AC	
	2 OR MORE PAYS						14	0	0							

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned in 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*SHATTUC, CLINTON, 2N, 1W																
			1945	280	15.5	682.5	36	0	0	19			A	OPD	4078	
	CYPRESS, MIS	1280		150			15	0	0			S	7	AL		
	BENDIST, MIS	1420		80			7	0	0			S	13	AL		
	TRENTON, DRD	4020		180			15	0	0		40	L	13	A		
SHATTUC N, CLINTON, 2N, 1W																
	BENDIST, MIS	1445	1961	10	0.0	2.4	1	0	0	0		S	7		MIS	1457
				ABD 1964												
SHAWNEETOWN, GALLATIN, 5S, 9E																
			1945	70	0.0	16.5	5	0	0	0			M		MIS	2837
	PALESTINE, MIS	1720	1955	40			2	0	0			S	28	M		
	WALTERSBURG, MIS	1900	1955	10			1	0	0			S	12	M		
	TAR SPRINGS, MIS	1960	1955	60			3	0	0			S		M		
	CYPRESS, MIS	2375	1956	10			1	0	0			S	14	M		
	AUX VASES, MIS	2650		10			1	0	0			S	10	MF		
	2 DR MORE PAYS						2	0	0							
					ABD 1950, REV 1955, ABD 1960											
SHAWNEETOWN E, GALLATIN, 9S, 10E																
			1952	30	0.0	18.3	4	0	0	2					MIS	2830
	WALTERSBURG, MIS	1855	1955	10			2	0	0			S	10			
	BETHEL, MIS	2480	1955	10			1	0	0			S				
	AUX VASES, MIS	2660		10			1	0	0			S	9			
*SHAWNEETOWN N, GALLATIN, 9S, 10E																
			1948	50	0.0	104.9	5	0	0	1			MF		MIS	3091
	AUX VASES, MIS	2750	1955	40			3	0	0			S	20	MF		
	MCCLOSKEY, MIS	3045		10			1	0	0			L	6	MF		
					ABD 1953, REV 1955											
*SHELBYVILLE C, SHELBY, 11N, 4E																
	AUX VASES, MIS	1860	1946	110	1.0	37.7	9	0	0	1		S	15	A	MIS	3301
SHUMWAY, EFFINGHAM, 9N, 5E																
	MCCLOSKEY, MIS	2223	1965	10	0.3	3.4	1	0	0	1		L	3		MIS	2773
SICILY, CHRISTIAN, 12N, 4W																
	SILURIAN	1860	1956	70	0.0	69.4	6	0	1	0	39	L	16		SIL	1884
					ABD 1967											
*SIGGINS, CUMBERLAND, CLARK, 10-11N, 10-11E, 14W																
			1906	4430			1113	1	1	507			D		TRN	3341
	1ST(UP)SIGGINS,PEN	400		3220			893	1			34	S	25	D		
	2ND(LO)SIGGINS,PEN	460		500			93	0			34	S		D		
	3RD,4THSIGGINS,PEN	580		1010			203	0			26	S	40	D		
					SEE CLARK COUNTY DIVISION FOR PRODUCTION											
SILCAM, BROWN, 2S, 4W																
	SILURIAN	603		280	3.0	212.8	26	0	0	18	35	D	4	AC	STP	1115
*SORENTO C, BOND, 6N, 4W																
			1938	690	16.6	1877.7	57	0	8	9			A		DRD	2680
	PENNSYLVANIAN	570	1956	70			5	0	1			S	20	A		
	LINGLE, DEV	1875		640			52	0	7	35		S	8	A		
SORENTO W, BOND, 6N, 4W																
	DEVONIAN	1880	1956	10	0.0	0.0	1	0	0	0		L			DRD	2776
					ABD 1956											
SPARTA +, RANDOLPH, 4-5S, 5-6W																
	CYPRESS, MIS	850	1888	20	0.0		2	0	0	0		S	7	D	TRN	3130
					ABD 1900											
SPARTA S, RANDOLPH, 5S, 5W																
	CYPRESS, MIS	880	1949	10	0.0	0.0	1	0	0	0		S	8	A	MIS	909
					ABD 1950											
SPRINGFIELD E, SANGAMON, 15N, 4W																
			1960	220	8.3	275.8	21	1	1	11			R		SIL	1705
	HIBBARO, DEV	1625	1960	10			1	0	0			S	4	D		
	SILURIAN	1600	1960	210			21	1	1		39	D	12	R		

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test		
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)		
*STAUTCN +, PACCUPIA, 7N, 7W	PENNSYLVANIAN	515	1952	30	0.1	2.9	2	0	1	1			S	11	A	DFV	2371
*STAUTCN W, PACCUPIA, 7N, 7W	PENNSYLVANIAN	505	1954	240	3.2	84.2	23	1	0	17	35		S	10		DFV	1487
*STEWARTSON, SHELBY, 9N, 6E																	
	AUX VASES, MIS	1945	1930	300	28.6	663.6	25	0	0	24			A			DFV	3414
	SPAR MTN, MIS	2021	1939	300			24	0	0		37	0.18	S	9	A		
	2 OR MORE PAYS		1958	70			5	0	0				S	4	A		
							4	0	0								
*STEWARTSON E, SHELBY, 9N, 6E																	
	AUX VASES, MIS	2177	1963	20	0.9	12.0	2	0	0	1			S	6		MIS	2280
	SPAR MTN, MIS	2197	1963	10			1	0	0				S	6			
	2 OR MORE PAYS		1963	20			2	0	0				S	6			
							1	0	0								
*STORMS C +, WHITE, 5-6S, 9-10E																	
	PENNSYLVANIAN	1320	1939	4490	668.8	16243.0	407	12	15	197			S	10	A	MIS	3550
	BIEHL, PEN	1840		240			9	1	0				S	4	AF		
	OEGONIA, MIS	2090		#			8	0	0				S	7	AL		
	CLORE, MIS	2100		180			13	0	0	38			S	10	AL		
	PALESTINE, MIS	2150		240			29	1	1				S	12	AL		
	WALTERSHURG, MIS	2230		70			6	0	0				S	15	AL		
	TAR SPRINGS, MIS	2340		2660			239	11	8	32	0.28		S	10	MF		
	HARDINSBURG, MIS	2476	1959	220			21	0	1	36			S	9	MF		
	CYPRESS, MIS	2700		20			2	0	0				S	10	MF		
	BETHEL, MIS	2810		300			20	0	0	35			S	5	A		
	RENAULT, MIS	2990		10			4	0	0				S	13	AF		
	AUX VASES, MIS	3000		10			2	0	0				L	10	AC		
	OHARA, MIS	3095		1020			76	0	6	38			L	2	AC		
	SPAR MTN, MIS	3115		270			7	0	0				L	5	MC		
	MCCLOSKEY, MIS	3055		#			9	0	0				L				
	2 OR MORE PAYS						8	0	0				L				
							38	0	1								
*STRINGTOWN, RICHLAND, 4-5N, 11E, 14W	STE. GEN, MIS	3025	1941	530	10.1	1574.8	35	0	1	7	40	0.24	DL	8	AC	MIS	3651
STRINGTOWN E, RICHLAND, 4N, 14W	MCCLOSKEY, MIS	3010	1948	10	0.0	2.0	1	0	0	0			L	4		MIS	3144
				ABO 1950													
STUBBLEFIELD S +, BOND, 4N, 3W																	
	CYPRESS, MIS	935	1955	20	0.0	0.0	2	0	0	0			S	4		DFV	2455
	OEVONIAN	2185	1963	10	0.0	0.0	1	0	0				L	8			
				ABO 1956, REV 1963, ABO 1965													
SUMNER, LAWRENCE, 4N, 13W	MCCLOSKEY, MIS	2260	1944	20	0.0	15.7	2	0	0	0			L	4	MC	MIS	2365
				ABO 1953													
SUMNER CEN, LAWRENCE, 4N, 13W	SPAR MTN, MIS	2544	1966	10	0.0	0.0	1	0	0	1			L	5		MIS	3100
SUMNER S +, LAWRENCE, 3N, 13W	AUX VASES, MIS	2620	1964	60	0.0	0.0	4	0	0	4			S	8		MIS	2791
SUMPTER, WHITE, 4S, 9E																	
	TAR SPRINGS, MIS	2575	1945	270	7.6	296.1	15	0	0	7			S	18	AF	DFV	5504
	HARDINSBURG, MIS	2655		190			10	0	0				S	14	AF		
	CYPRESS, MIS	2860		10			1	0	0				S	15	AF		
	OHARA, MIS	3222	1960	60			4	0	0				S	6	A		
	2 OR MORE PAYS			10			1	0	0				L				
*SUMPTER E, WHITE, 4-5S, 10E	CYPRESS, MIS	2795	1951	1610	90.5	1777.6	98	1	7	79			S	16	AL	MIS	3396
				220			18	0	0								

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
(CONTINUED FROM PREVIOUS PAGE)																
*SUMPTER E, WHITE, 4-5S, 10E																
	BETHEL, MIS	2922	1960	20			2	0	0			S	12	A		
	AUX VASES, MIS	3020		420			27	0	3			S	15	AL		
	OHARA, MIS	3115		1110			44	0	3			L	12	AC		
	SPAR MTN, MIS	3140		#			19	1	4			L	4	AC		
	MCCLOSKY, MIS	3150		#			3	0	0			L	5	AC		
	2 OR MORE PAYS						16	0	3							
*SUMPTER N, WHITE, 4S, 9E																
	AUX VASES, MIS	3185	1952	240	10.8	474.9	15	0	0	8		S	3	NL	MIS 3425	
*SUMPTER S, WHITE, 4-5S, 9E																
			1948	250	33.1	666.9	28	0	3	18				AF	MIS 3430	
	TAR SPRINGS, MIS	2580		170			13	0	1			S	8	AF		
	BETHEL, MIS	3025		10			1	0	0			S	15	AF		
	AUX VASES, MIS	3260		210			15	0	2			S	10	AF		
	2 OR MORE PAYS						3	0	0							
SUMPTER W, WHITE, 4S, 9E																
	AUX VASES, MIS	3165	1952	10	0.0	19.9	1	0	0	0		S	5	NL	MIS 3336	
				ABO 1964												
TAMAROA +, PERRY, 4S, 1W																
			1942	320	18.9	352.4	20	0	0	11					TRN 4287	
	CYPRESS, MIS	1120	1942	210			15	0	0		36	0.12	S	13	AL	
	TRENTON, ORD	4135	1964	110			6	0	0				L	40		
	2 OR MORE PAYS		1964				1	0	0							
*TAMAROA S, PERRY, 4S, 1W																
	CYPRESS, MIS	1155	1957	190	6.2	237.8	17	0	0	15		S	7		MIS 1200	
TAMAROA W, PERRY, 4S, 2W																
	CYPRESS, MIS	1100	1956	20	0.0		3	0	0	3		S	5		DEV 2902	
TAYLOR HILL, FRANKLIN, 5S, 4E																
			1949	40	0.9	81.0	5	0	0	3					MIS 4093	
	CHARA, MIS	3055	1949	40			3	0	0			L	4			
	HARRODSBURG, MIS	3940		30			2	0	0			L	15			
TEUTONIC, EBEINGHAM, 8N, 6E																
			1966		22.2	32.9	7	2		7					MIS 2601	
	SPAR MTN, MISS	2402	1966	120			7	2	0			L	5			
	MCCLOSKY, MIS	2530	1967	10			1	1	0			OL	4			
	ST LOUIS, MIS	2570	1967	10			1	1	0			L	4			
	2 OR MORE PAYS						1	1	0							
*THACKERAY, HAMILTON, 5S, 7E																
			1944	830	189.5	3786.7	70	3	3	31				A	DEV 5611	
	CYPRESS, MIS	3030		20			2	0	0			S	24	A		
	AUX VASES, MIS	3360		760			63	0	3			S	15	AL		
	OHARA, MIS	3435		120			1	0	0			L	5	AC		
	MCCLOSKY, MIS	3500		#			6	0	1			L	10	AC		
	2 OR MORE PAYS						2	0	1							
THOMPSONVILLE, FRANKLIN, 7S, 4S																
			1940	280			27	8		8					MIS 3777	
	OHARA, MIS	3110	1967	270			2	2	0			L	4			
	SPAR MTN, MIS	3190	1967	#			1	1	0			LS	4			
	MCCLOSKY, MIS	3200	1940	#	0.0	284.7	19	0	0	8	38	0.16	L	10	A	
	ST LOUIS, MIS	3450	1967	20			5	5	0			L	10			
															AND 1947, REV 1967	
*THOMPSONVILLE E, FRANKLIN, 7S, 4E																
	AUX VASES, MIS	3150	1949	170	14.8	492.6	12	0	2	4	38		S	8	ML MIS 3371	
*THOMPSONVILLE N, FRANKLIN, 7S, 4E																
			1944	870	20.0	3575.4	87	0	1	26				A	MIS 3498	
	CYPRESS, MIS	2750		20			1	0	0			S	10	AL		
	AUX VASES, MIS	3100		860			86	0	1	39		S	20	AL		

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
TILDEN, RANDOLPH, 4S, 5W																
SILURIAN		2160	1952	610	10R.4	3552.9	33	0	0	32	42	L	60	R	ORD	3093
TOLIVER E, CLAY, 5N, 6-7E																
			1943	90	0.0	229.6	7	2	1	3				M	MIS	3203
CYPRESS, MIS	2510	1955	10	0.0	0.0	1	0	0			S	14	M			
AUX VASES, MIS	2740	1967	20			2	2	0			S	4				
SPAR MTN, MIS	2815		40	0.0	14.0	1	0	0			L	6	MC			
MCCLOSKY, MIS	2840		#	0.0	216.0	3	0	1			OL	9	MC			
TOLIVER S, CLAY, 4N, 6E																
			1953	70	0.0	57.6	4	0	0	0				M	MIS	2915
AUX VASES, MIS	2765		10	0.0	21.0	1	0	0			S		MC			
MCCLOSKY, MIS	2875	1956	60	0.0	37.0	3	0	0		34	L	5	MC			
ABD 1964																
*TICNTI, MARION, 2-3N, 2E																
			1938	570	277.2	13168.1	105	0	4	65				D	ORD	4900
BENDIST, MIS	1930		140			16	0	0		39	S	20	D			
AUX VASES, MIS	2005		170			23	0	0		39	S	30	D			
SPAR MTN, MIS	2125		630			13	0	2			LS	12	D			
MCCLOSKY, MIS	2130		#			70	0	2		39	OL	15	D			
DEVONIAN	3500		80			7	0	0			D	7	D			
2 DR MORE PAYS						11	0	0								
TOLIVER, CHRISTIAN, 13N, 3W																
SILURIAN		1850	1955	10	0.6	26.6	1	0	0	1	38	L	10		SIL	1881
*TRUMBULL C, WHITE, 5S, 8-9E																
			1944	1490	108.9	275R.8	110	1	5	70				A	MIS	4125
TAR SPRINGS, MIS	2528	1962	30			2	0	0			S	5				
CYPRESS, MIS	2845		420			31	0	2		36	S	10	A			
BETHEL, MIS	2955		50			2	0	0			S		A			
AUX VASES, MIS	3170		520			41	1	4		36	S	9	A			
CHARA, MIS	3230		660			19	0	0			L	15	AC			
SPAR MTN, MIS	3270		#			13	1	0			L	6	AC			
MCCLOSKY, MIS	3290		#			19	0	0			L	5	AC			
2 DR MORE PAYS						13	1	0								
TRUMBULL N, WHITE, 4S, 8E																
			1961	40	0.0	6.9	3	0	0	1					MIS	3537
AUX VASES, MIS	3325	1961	20			1	0	0			S	6				
MCCLOSKY, MIS	3466	1961	20			2	0	0			OL	16				
TURKEY BEND, FERRY, 4S, 2W																
TRENTON, ORD		3940	1957	10	2.0	34.9	1	0	0	1		L			ORD	4044
*VALIER, FRANKLIN, 6S, 2E																
			1942	110	12.3	74.7	6	0	0	2					MIS	2900
AUX VASES, MIS	2685	1963	100			5	0	0			S	7				
MCCLOSKY, MIS	2715	1962	10			1	0	0			L	12	ML			
ABD 1945, REV 1963																
VIRGEN W, MACDUPIN, 12N, 7W																
DEVONIAN		1361	1963	30	0.0	0.0	2	0	0	2		L	20		DEV	1390
WAGGONER W, MONTGOMERY, 11N, 5W																
PDITTSVILLE, PEN		610	1940	30	0.0	12.0	6	0	0	0	2R	0.21	S	10		SIL
ABD 1949, REV 1959, ABD 1960, REV 1963, ABD 1964																
WAKEFIELD, JASPER, 5N, 9E																
SPAR MTN, MIS	3100	1946	40	0.0	1.7	2	0	0	0		L	5		MIS	3207	
ABD 1947, REV 1953, ABD 1954																
WAKEFIELD N, JASPER, 5N, 9E																
MCCLOSKY, MIS	3000	1953	10	0.0	20.0	1	0	0	0		L	6		MIS	3204	
ABD 1958																
WAKEFIELD S, RICHLAND, 5N, 9E																
MCCLOSKY, MIS	3040	1955	10	0.0	0.0	1	0	0	0		L	4		MIS	3650	
ABD 1955																

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

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Pool, County Location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of dis- covery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Com- pleted to end of 1967	Com- ple- ted in 1967	Aban- doned 1967	Pro- ducing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*WALPCLE, FAMILTON, 6-7S, 6E																
			1941	2140	176.5	9874.4	131	1	2	82			A	DEV	5325	
	TAR SPRINGS, MIS	2465		110			7	0	0		36		15	AL		
	AUX VASES, MIS	3070		2020			119	1	2		38	0.13	20	A		
	SPAR MTN, MIS	3195		100			2	0	0				7	AC		
	MCCLOSKEY, MIS	3162	1960	#			4	0	0				7	AC		
	ST. LOUIS, MIS	3544	1960	10			1	0	0				8	AC		
WALPCLE S, FAMILTON, 7S, 6E																
	AUX VASES, MIS	3120	1951	40	0.4	120.8	2	0	0	2			S	6	AL	MIS 3362
WALTONVILLE, JEFFERSON, 2S, 2E																
			1943	60	1.6	124.9	5	0	0	3			A	MIS	3375	
	BENOIST, MIS	2460	1943	50			4	0	0		38	0.14	9	A		
	ST. LOUIS, MIS	2767	1962	10			1	0	0				14			
*WAMAC, MARION, CLINTON, WASHINGTON, 1N, 1E, 1W																
			1921	310	0.2	692.2	117	0	0	5			DE	ORD	4160	
	PETRO, PEN	720	1921	300			115	0	0		30		20	DE		
	DEVONIAN	3015	1959	10			1	0	0				9	DE		
WAMAC E +, MARION, 1N, 1E																
	ISABEL, PEN	845	1952	140	0.5	48.6	11	0	0	6			S	15	ML	MIS 2216
	PAY ZONE IS ISABEL (WILSON SAND), PEN															
*WAMAC W, CLINTON, 1N, 1W																
			1962	230	66.7	495.9	25	0	0	23					MIS	1522
	CYPRESS, MIS	1312	1962	120			14	0	0				S	8		
	BENOIST, MIS	1466	1962	110			11	0	0				S	12		
WAPELLA E, DEWITT, 21N, 2E																
			1962	350	240.2	1300.1	36	0	0	36					STP	2216
	DEVONIAN	1108	1963	30			3	0	0				L	5		
	SILURIAN	1112	1962	350			36	0	0		31		0	6	R	
	2 OR MORE PAYS		1963				3	0	0							
*WARRENTON-BORTON, EDGAR, COLES, 13-14N, 13-14W																
	UNNAMED, PEN	200	1906	460	0.0	32.0	45	0	0		31		S	20	ML	TRN 2212
WATERLOO, MONROE, 1-2S, 1CW																
	TRENTON, ORD	410	1920	160	0.0	238.0	41	0	0	3	30	0.97	L	50	A	PC 2769
	ABO 1930, REV 1939, CONVERTED IN PART TO GAS STORAGE, 1951															
WATSON, EFFINGHAM, 7N, 5-6E																
			1957	30	0.0	51.1	3	0	0	1					MIS	2647
	SPAR MTN, MIS	2415	1957	30			2	0	0				S	5		
	MCCLOSKEY, MIS	2434	1958	#			1	0	0		38		L	11		
WATSON W, EFFINGHAM, 7N, 5E																
	AUX VASES, MIS	2208	1965	10	0.6	4.2	1	0	0	1			S	12		MIS 2316
WAVERLY +, MERCER, 13N, 8W																
	DEV-SIL	1020	1946	20	0.0	0.0	1	0	0	0			L	10	A	ORD 2270
WEAVER, CLARK, 11N, 1CW																
			1949	530	47.6	2083.7	42	0	0	30				P	DEV	2160
	CCLE, MIS	1565		30			1	0	0				S	5	D	
	DEVONIAN	2030		500			40	0	0		37		L	10	R	
*WEST FRANKFORT C, FRANKLIN, 7S, 2-3E																
			1941	1590	116.4	6494.7	141	0	1	98			A	DEV	4869	
	TAR SPRINGS, MIS	2060		680			70	0	0		39	0.13	20	A		
	AUX VASES, MIS	2710		310			28	0	1		37		S	20	AI	
	CHARA, MIS	2760		850			43	0	1		39		L	8	AC	
	SPAR MTN, MIS	2810		#			6	0	0				L	8	AC	
	MCCLOSKEY, MIS	2825		#			21	0	0		38		L	14	AC	
	2 OR MORE PAYS						22	0	0							

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
*WEST SEMINARY, CLAY, 2N, 7E																
			1959	300	26.9	797.1	27	0	0	13			MC	MIS	3199	
	ALX VASES, MIS	2972	1959	210			17	0	0			S	10	MC		
	SPAR MTN, MIS	3059	1959	280			3	0	0			L	6	MC		
	MCCLOSKEY, MIS	3068	1959	#			13	0	0			L	12	MC		
	2 OR MORE PAYS						4	0	0							
*WESTFIELD, CLARK, COLES, 11-12N, 11E-14W																
			1904	9680			1817	11	4	248			D	STD	3779	
	GAS, PEN	280		1220			228	4			28		S	25	D	
	WESTFIELD, MIS	335		8720			22	7			34		L	0		
	CARPER, MIS	875		580			28	0					S	18	D	
	TRENTON, ORD	2300		1710			87	0			38	0.18	L	40	D	
	2 OR MORE PAYS						5	0								
SEE CLARK COUNTY DIVISION FOR PRODUCTION																
*WESTFIELD E, CLARK, 11-12N, 14W																
	PENNSYLVANIAN	400	1947	250			37	2	0	27			S	11	ML	MIS 795
WESTFIELD N, COLES, 12N, 14W																
			1949	20	0.0	0.4	2	0	0	0					PEN	611
	PLEASANTVIEW, PEN	275		20	0.0	0.4	1	0	0				S	5		
	PENNSYLVANIAN	490		#	0.0	0.0	1	0	0				S	10		
ABO 1957																
*WHITTINGTON, FRANKLIN, 5S, 3E																
			1939	970	106.7	1868.0	71	5	0	57			A	DFV	4810	
	HAROINSBURG, MIS	2310		430			27	1	0				S	10	A	
	CYPRESS, MIS	2535		240			16	2	0		39		S	10	A	
	PAINT CREEK, MIS	2612	1961	20			1	0	0				S	4	A	
	AUX VASES, MIS	2735		100			9	0	0				S	15	A	
	CHARA, MIS	2835		360			12	0	0				L	10	AC	
	SPAR MTN, MIS	2880		#			4	1	0				L	10	AC	
	MCCLOSKEY, MIS	2870		#			6	0	0		38	0.24	L	9	AC	
	ST. LOUIS, MIS	3080		30			4	1	0		38	0.24	L	6	AC	
	2 OR MORE PAYS						4	0	0							
WHITTINGTON S, FRANKLIN, 5-6S, 3E																
	CYPRESS, MIS	2580	1950	120	8.3	443.6	10	0	0	10			S	10	A	MIS 3945
*WHITTINGTON W, FRANKLIN, 5S, 2-3E																
			1943	670	18.7	1533.9	38	0	3	16			A	MIS	3535	
	BENOIST, MIS	2615		10			1	0	0				S	10	AL	
	RENAULT, MIS		1961	480			21	0	1				L		A	
	AUX VASES, MIS	2700		180			13	0	1				S	15	AL	
	OHARA, MIS	2800		110			5	0	0				L	5	AC	
	SPAR MTN, MIS	2780		#			2	0	0				L	4	AC	
	MCCLOSKEY, MIS	2900		#			3	0	1				L	6	AC	
	2 OR MORE PAYS						8	0	0							
*WILBERTON, FAYETTE, 5N, 2-3E																
			1959	1030	63.4	1029.0	54	1	7	41				ORD	4528	
	BORDEN, MIS	2628	1963	10			1	0	0				S	38		
	CARPER, MIS	3203	1961	1020			51	1	7				S	39		
	LINGLF, OEV	3466	1959	30			3	0	0		28		S	4		
	2 OR MORE PAYS						1	0	0							
*WILLIAMS C, JEFFERSON, 2-3S, 2E																
			1948	460	25.2	1185.3	42	0	0	32			A	DEV	4578	
	BENOIST, MIS	2490		200			14	0	0				S	10	AL	
	AUX VASES, MIS	2550		400			29	0	0				S	5	AL	
	MCCLOSKEY, MIS			10			1	0	0				L		AC	
	2 OR MORE PAYS						3	0	0							
*WILLOW HILL E, JASPER, 6-7N, 10-11E																
			1946	320	1.1	263.4	22	0	0	5				MIS	3291	
	AUX VASES, MIS	2546	1966	10			1	0	0				S	6		
	MCCLOSKEY, MIS	2645	1946	320			22	0	0				L	6	A	
	ST. LOUIS, MIS	2814	1966	10			1	0	0							
*WOBBURN C, BCNC, 6-7N, 2W																
			1940	1410	57.4	4223.9	135	0	1	79			A	ORD	3279	
	CYPRESS, MIS	865		310			20	0	0		35		S	8	AL	
	BENOIST, MIS	1020		340			38	0	0		36	0.20	S	10	AL	
	RENAULT, MIS	1047	1958	10			1	0	0		36		L		AL	
	AUX VASES, MIS	1055	1956	120			4	0	0				S	10	AL	

TABLE 8 - ILLINOIS OIL POOL STATISTICS, 1967 - Continued

Pool, County location by township and range (*Secondary recovery - see Part II)	Pay zone		Year of discovery	Area proved in acres	Oil production (M bbls)		Number of wells				Character of oil		Pay zone		Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Completed in 1967	Abandoned 1967	Producing end of year	Gr. API	Sulfur (%)	Kind of rock, avg. thickness in feet, structure	Zone	Depth (ft)	
(CONTINUED FROM PREVIOUS PAGE)																
*WOBURN C, PCND, 6-7N, 2W																
	LINGLE, DEV	2275		720			56	0	1		35		S	8	AC	
	TRENTON, ORD	3170		320			19	0	0		38	0.27	L	12	AC	
	2 OR MORE PAYS						2	0	0							
*WOODLAWN, JEFFERSON, 2-3S, 1-2E																
			1940	1900	196.2	16705.2	192	0	3	97				A	ORD	5101
	TAR SPRINGS, MIS			20			2	0	0				S		AL	
	CYPRESS, MIS	1800		180			3	0	1				S	10	AL	
	BENDIST, MIS	1960		1860			174	0	1		39	0.16	S	25	A	
	AUX VASES, MIS	1975		270			24	0	0		39		S	10	A	
	SPAR MTN, MIS	2205		240			15	0	0				LS	15	A	
	MCCLOSKEY, MIS	2200		#			1	0	0				L	3	A	
	LINGLE, DEV	3690		70			11	0	1		39		S	6	A	
XENIA, CLAY, 2N, 5E																
			1941	100	1.8	43.8	7	0	0	7				A	DEV	4745
	AUX VASES, MIS	2785	1941	10			1	0	0		35	0.19	S	13	A	
	CARPER, MIS	4230	1962	90			6	0	0				S	12		
XENIA E, CLAY, 2N, 5E																
			1951	300	23.8	768.3	29	0	0	12				A	MIS	4620
	CYPRESS, MIS	2500		260			18	0	0				S	6	AL	
	BENDIST, MIS	2710		110			9	0	0				S	6	AL	
	RENAULT, MIS	2755	1959	20			2	0	0				S	15	AL	
	AUX VASES, MIS	2741	1960	30			3	0	0				S	10	A	
	2 OR MORE PAYS						3	0	0							
YALE, JASPER, 8N, 11E																
			1966	30	0.1	1.0	3	1	0	4					MIS	2390
	SPAR MTN, MIS		1966	30			1	1	0				L	10		
	MCCLOSKEY, MIS		1966	#			2	0	0				L	6		
*YORK, CUMBERLAND, CLARK, 9-10N, 10-11E, 14W																
	ISABEL, PEN	590	1907		410		78	0	0	13	30		S	15	AM	DEV 2642
							SEE CLARK COUNTY DIVISION FOR PRODUCTION, ABO 1945, REV 1950									
*ZEIGLER, FRANKLIN, 7S, 2E																
	AUX VASES, MIS	2614	1963	330	293.0	1128.9	32	0	0	32			S	19	MIS	3030
ZENITH, WAYNE, 2N, 5E																
	MCCLOSKEY, MIS	2970	1948	20	0.0	24.4	2	0	0	0			L	7	AC	MIS 3059
				ABO 1956												
*ZENITH E, WAYNE, 1N, 6E																
	SPAR MTN, MIS	3170	1965	250	59.7	202.2	14	0	1	13			L	10	MIS	3515
*ZENITH N, WAYNE, 2N, 6E																
			1951	280	22.2	1025.9	14	0	0	10				N	MIS	2254
	SPAR MTN, MIS	3080		280			12	0	0				L	6	NC	
	MCCLOSKEY, MIS	3140		#			6	0	0				L	4	NC	
	2 OR MORE PAYS						4	0	0							
ZENITH S, WAYNE, 1N, 5E																
			1949	270	0.5	765.4	14	0	0	0				M	MIS	3322
	OHARA, MIS	2920		270			2	0	0				L	6	MC	
	MCCLOSKEY, MIS	2985		#			12	0	0				L	7	MC	
	2 OR MORE PAYS						2	0	0							
TOTALS FOR 1967				573,510	60,115	2,717,433	62,839	628	1,332	27,893						

TABLE 9 - ILLINOIS GAS POOL STATISTICS, 1967

Explanation of Abbreviations and Symbols

Pool: N, North; S, South; E, East; W, West; C, Consolidated.
Pools located in two or more counties have county names listed in order of discovery.

Age: Pc, Precambrian; Cam, Cambrian; Ord, Ordovician; St. P, St. Peter; Trn, Trenton; Sil, Silurian; Dev, Devonian; Mis, Mississippian; Pen, Pennsylvanian.

Kind of rock in pay zone: D, dolomite; L, limestone; LS, sandy limestone; S, sandstone.

Abd: Pool abandoned.

Rev: Pool revived.

Structure: A, anticline; D, dome; F, faulting an important factor in gas accumulation; f, faulting a minor factor in gas accumulation; L, lens; M, monocline; R, reef; X, structure not determined. Combinations of the letters are used where more than one factor applies.

x Correct figure not determinable.

* Pool also listed in table 8 (oil production).

†† Gas storage project. Amount of native gas produced not determinable.

** Pilot storage in St. Peter.

Pool; county, location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells				Pay zone			Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Com- pleted in 1967	Aban- doned 1967	Pro- ducing end of year	Kind of rock, average thickness in feet, structure	Zone	Depth (ft)		
Albion C*; Edwards, White; 3S; 10E															
	Pennsylvanian, Pen	1,490	1940	40	0	0	1	0	0	0	S	6	MF	Dev	5,185
Ashmore S* tt; Clark, Coles; 12N; 10-11E, 14W															
	Unnamed, Pen	430	1958	460	x	x	23	0	0	x			A	Mis	55
	Osage, Mis	385	1963	440	x	x	22	0	0		S	x	A		
				20	x	x	1	0	0		S	x	x		
Ava-Campbell Hill*; Jackson; 7S; 3-4W															
	Cypress, Mis	780	1916	370	0	x	20	0	0	0	S	18	A	Trn	3,582
					Abd 1943; rev (oil) 1956; abd 1957										
Ayers Gas; Bond; 6N; 3W															
	Benoist, Mis	940	1922	325	0	298.7	21	0	0	0	S	5	A	Ord	3,044
					Abd 1950										
Beaver Creek N*; Bond; 4N; 2W															
	Benoist, Mis	1,132	1965	40	0	0	1	0	0	0	S	x	x		
Beaver Creek NE Gastt; Bond; 4N; 2W															
	Benoist, Mis	1,126	1961	70	x	x	7	0	0	x	S	5		Sil	2,487
Beaver Creek C*; Bond, Clinton; 3-4N; 2W															
	Cypress, Mis	1,015	1946	240	0	0	6	0	0	0	S	20	A	Dev	2,539
Beckemeyer Gas*; Clinton; 2N; 3W															
	Cypress, Mis	1,070	1956	80	0	0	2	0	0	0	S	23	x	Sil	2,730
					Abd 1958										
Beverly Gas; Adams; 3S; 5W															
	Silurian, Sil	450	1957	80	0	0	2	0	1	0	L	6	x	St. P	840
Boulder*; Clinton; 2-3N; 2W															
	Geneva, Dev	2,630	1941	320	0	0	4	0	0	0	D	7	R	Trn	3,813
					Abd 1965										
Boulder E*; Clinton; 3N; 1W															
	Devonian, Dev	2,840	1957	80	0	0	2	0	0	0	L	12	x	Sil	2,895
					Abd 1957										
Carlinville*; Macoupin; 9N; 7W															
	Unnamed, Pen	365		60	0	0	6	0	0	0		x	A	Mis	1,380
					Abd 1925; rev 1942										
Carlinville N*; Macoupin; 10N; 7W															
	Pottsville, Pen	440	1941	40	0	0	1	0	0	0	D	10	x	Trn	1,970
					Abd 1954										
Carlyle*; Clinton; 2N; 3W															
	Cypress, Mis	1,015	1958	10	0	x	1	0	0	0	S	x	AL	St. P	4,120
Casey*; Clark															
	Casey, Pen	440		x	0	x	x	0	0	0	L	x	AM		

TABLE 9 -- ILLINOIS GAS POOL STATISTICS, 1967 -- Continued

Pool; county, location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells				Pay zone		Deepest test		
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Com- pleted in 1967	Aban- doned 1967	Pro- ducing end of year	Kind of rock, average thickness in feet, structure				
												Zone	Depth (ft)		
Claremont; Richland; 3N; 14W															
	Spar Mtn, Mis	3,200	1950	160	0 Abd 1952	0	1	0	0	0	5	MC	Mis	3,340	
Cooks Mills C* ++; Coles, Douglas; 14N; 7-8E															
	Cypress, Mis	1,600	1941	950	0	1,895.4	23	0	0	0	10	A	Rev	2,885	
	Aux Vases, Mis	1,800		680	0	x	14	0	0		8	A			
	Spar Mtn, Mis	1,765		40	0	x	1	0	0		15	A			
	2 or more pays			450	0	x	6	0	0						
					0	x	3	0	0						
Dubois C*; Washington; 3S; 1-2W															
	Cypress, Mis	1,220	1939	400	0	0	10	0	0	0	10	AL	Ord	4,217	
Dudley*; Edgar; 14N; 13W															
	Pennsylvanian, Pen	300	1948	160	0	x	4	1	0	0	20	M	St.P	2,997	
Dudley W Gas; Edgar; 13N; 13W															
	Gas, Pen	380	1953	120	0	0	3	0	0	0	11	x	Pen	428	
Eden Gas; Randolph; 5S; 5W															
	Cypress, Mis	875	1962	1,000	0	0	15	0	0	0			Mis	2,377	
Eldorado C*; Saline; 8S; 7E															
	Palestine, Mis	1,920	1941	300	0	3,673.5	15	0	0	0	20	A	Mis	3,606	
	Waltersburg, Mis	2,055		120	0	0	3	0	0	0	20	AL			
	Tar Springs, Mis	2,225		80	0	0	2	0	0	0	20	AL			
	Hardinsburg, Mis	2,353	1962	40	0	0	3	0	0	0	17	AL			
	Cypress, Mis	2,460		120	0	0	3	0	0	0	5				
				80	0	0	2	0	0	0	20	x			
Eldorado E*; Saline; 8S; 7E															
	Palestine, Mis	1,900	1953	120	0	473.7	2	0	0	0		A	Mis	3,102	
	Tar Springs, Mis	2,135		80	0	0	1	0	0	0	30	AL			
	2 or more pays			40	x	x	4	0	0	0	20	AL			
							1	0	0	0					
Eldorado W*; Saline; 8S; 6E															
	Palestine, Mis	1,923	1960	10	0	0	1	0	0	0	27	x	Mis	3,138	
Fishhook Gas; Adams, Pike; 3-4S; 4-5W															
	Engewood, Sil	450	1955	7,260	0	0	69	0	0	0	5	x	St.P	1,118	
Ficklin; Douglas; 16N; 8E															
	Spar Mtn, Mis	1,444	1966	40	0	0	1	1	0	0	10	x	Cam	5,301	
Freeburg* ++; St. Clair; 1-2S; 7W															
	Cypress, Mis	380	1956	700	x	x	29	0	0	0	5	x	Ord	2,008	
Gillespie-Benld (Gas)++; Macoupin; 8N; 6W															
	Unnamed, Pen	540	1923	80	0 Abd 1935	135.8	5	0	0	0		x	A	Pen	603
Gillespie W; Macoupin; 8N; 7W															
	Unnamed, Pen	525	1958	10	0	0	1	0	0	0		x	x	Pen	5,000
Grandview*; Edgar; 12-13N; 13W															
	Gas, Pen	400	1945	400	0	x	12	0	0	0		M	Ord	2,694	
	Salem, Mis	570		360	0	x	11	0	0	0		x	ML		
				40	0	x	1	0	0	0			ML		
Greenville Gas*; Bond; 5N; 3W															
	Lindley (1st & 2nd), Mis	925	1910	180	0 Abd 1923; rev 1957; abd 1958	990.0	4	0	0	0		x	A	Tr	5,184
Harco, Harco E and Raleigh C*; Saline; 8S; 5E															
	X, Mis	x	1954	x	0	2,039.3	x	0	0	0			Mis	3,107	

TABLE 9 — ILLINOIS GAS POOL STATISTICS, 1967 — Continued

Pool; county, location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells				Pay zone			Deepest test		
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Com- pleted in 1967	Aban- doned 1967	Pro- ducing end of year	Kind of rock, average thickness in feet, structure	Zone				
Harrisburg*; Saline; 8S; 6E																
	Tar Springs, Mis	2,085	1952	160	0	93.2	1	0	0	0	S	6	x	Mis	2,789	
Herald C*; Gallatin, White; 6-8S; 9-10E																
	Anvil Rock, Pen	700	1939	1,080	0	x	19	0	0	0				A	Mis	3,394
	Pennsylvanian, Pen	1,750		360	0	x	9	0	0		S	25		AL		
	Waltersburg, Mis	2,240		120	0	x	3	0	0		S	18		AL		
	Tar Springs	2,315		120	0	x	3	0	0		S	10		A		
				480	0	x	4	0	0		S	6		AL		
Hutton*; Coles; 11N; 10E																
	Pennsylvanian	620	1965	80	0	0	2	0	0	0	S	x	x			
Inclose*; Clark, Edgar; 12N; 13-14W																
	Pennsylvanian	540	1941	320	0	x	8	0	0	0	S	12	x	Mis	815	
Jacksonville (Gas)*; Morgan; 15N; 9W																
	Gas, Pen, Mis	330	1910	1,320	0	x	45	0	0	0	LS	5	ML	Ord	1,390	
Johnston City E; Williamson; 8S; 3E																
	Tar Springs, Mis	1,930	1965	40	96.2	196.5	1	0	0	1	S	10	x	Mis	2,968	
Kansas Gas; Edgar; 13N; 14N																
	Unnamed, Pen	410	1958	30	0	x	3	0	0	0	S	x	x	Mis	778	
Livingston East; Madison; 6N; 6W																
	Pennsylvanian, Pen	540	1951	60	0	0	3	0	0	0	S	12	x	Mis	815	
Livingston S*; Madison; 6N; 6W																
	Pennsylvanian, Pen	530	1950	40	0	0	1	0	0	0	S	2	ML	Mis	845	
Louden*; Fayette; 7N; 3E																
	Burtschi, Pen	1,000	1937	1,760	0	x	14	0	0	0				A	St.P	4,680
	Tar Springs, Mis	1,170		320	0	x	5	0	0		S	20		AL		
				1,440	0	x	9	0	0		S	2		AL		
Main C*; Crawford, Lawrence; 5-8N; 10-14W																
	Robinson, Pen	1,000	1906	x	x	x	x	1	1	0				M	St.P	4,654
	Hardinsburg, Mis	1,075		x	0	0	x	0	0	x	S	x		ML		
	Cypress, Mis	1,425		160	0	x	1	0	0		S	40		ML		
	Aux Vases, Mis	1,527	1959	320	0	x	2	0	0		S	6		ML		
				60	0	x	6	1	0		S	8		ML		
Marion E*; Williamson; 9S; 3E																
	Aux Vases, Mis	2,406	1966	40	0	0	1	1	0	0	S	4	x	Mis	2,642	
Marissa W (Gas)*; St. Clair; 3S; 7W																
	Cypress, Mis	241	1960	60	0	x	6	0	4	0	S	25		Ord	2,413	
Mt. Olive*; Montgomery; 8N; 5W																
	Pottsville, Pen	605	1942	100	0	x	4	0	0	0	S	6	A	Dev	1,819	
New Athens Gas; St. Clair; 2S; 7W																
	Cypress, Mis	250	1961	160	0	0	4	0	0	0	S	13		Mis	311	
Omaha*; Gallatin; 7-8S; 8E																
	Tar Springs, Mis	1,900	1940	120	36.0	147.5	3	0	0	1	S	15	D	Mis	2,941	
Panama*; Bond, Montgomery; 7N; 3-4W																
	Pennsylvanian, Pen	575	1940	280	0	x	7	0	0	0				A	Dev	2,016
	Benoist, Mis	865		160	0	x	4	0	0		S	30		A		
				120	0	x	3	0	0		S	12		A		
Pittsburg N Gas*; Williamson; 8S; 3E																
	Hardinsburg, Mis	2,151	1962					0			S	6		Mis	2,836	

TABLE 9 - ILLINOIS GAS POOL STATISTICS, 1967 - Continued

Pool; county, location by township and range	Pay zone		Year of dis- covery	Ares proved in acres	Gas production million cu ft		Number of wells				Pay zone			Deepest test	
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Com- pleted in 1967	Aban- doned 1967	Pro- ducing end of year	Kind of rock, average thickness in feet, structure				
												Zone	Depth (ft)		
Pittsfield (Gas); Pike; 5S; 4-5W															
	Nlagaran, Sil	265	1886	8,960	0 Abd 1930	x	68	0	0	0	L 10	A	Pc	2,226	
Plainview*; Macoupin; 8N; 8W															
	Pennsylvanian	441	1961	10	0	0	1	0	0	0	S 20	x	Pen	462	
Prentice*; Morgan; 16N; 8W															
	Pennsylvanian, Pen	260	1953	290	0	0	7	0	0	0	S 15	x	Ord	1,513	
Raleigh*; Saline; 8S; 6E															
	Waltersburg, Mis	2,307	1962	40	66.9	247.8	1	0	0	1	S 7				
Redmon N; Edgar; 14N; 13W															
	Pennsylvanian, Pen	365	1955	40	0	0	1	0	0	0	S 3	x	Mis	450	
Richwood (Gas); Crawford; 6N; 11W															
	Pennsylvanian, Pen	612	1959	160	0	28.6	4	1	0	0	S 9	x	Pen	1,001	
Roland C*; Gallatin; 7S; 6E															
	Waltersburg, Mis	2,150	1940	160	0	0	1	0	0	0	S 19	AL	Dev	5,225	
Russellville Gas*; Lawrence; 4-5N; 10-11W															
			1937	1,800	0 Abd 1949	7,081.6	60	0	0	0		A	Dev	3,133	
	Bridgeport, Pen	760		x	0	x	18	0	0		S 15	AL			
	Buchanan, Pen	1,100		x	0	x	42	0	0		S 12	AL			
St. Libory; St. Clair; 1S; 6W															
			1964	240	0	0	7	0	0	0			Sil	1,997	
	Cypress, Mis	622	1965	40	0	0	1	0	0		S 11	x			
	Benolst, Mis	754	1964	40	0	0	1	0	0		S 22	x			
	Aux Vases, Mis	825	1964	120	0	0	3	0	0		S 10	x			
	2 or more pays						1	0	0						
Spanish Needle Creek (Gas); Macoupin; 9N; 7W															
	Unnamed, Pen	305	1915	80	0 Abd 1934	14.4	7	0	0	0	S x	D	Trn	2,070	
Sparta*; Randolph; 4-5S; 5-6W															
	Cypress, Mis	850	1888	160	0 Abd 1900	x	18	0	0	0	S 7	D	Trn	3,130	
Staunton (Gas)*; Macoupin; 7N; 7W															
	Unnamed, Pen	460	1916	400	0 Abd 1919	1,050.0	18	0	0	0	S x	A	Ord	2,371	
Storms C*; White; 5-6S; 9-10E															
			1939	440	0	x	9	0	1	0			A	Mis	3,267
	Gas, Pen	1,090		170	0	x	2	0	1		S 40	Af			
	Waltersburg, Mis	2,230		280	0	x	7	0	0		S 15	AL			
Stubblefield S*; Bond; 4N; 4W															
	Cypress, Mis	920	1962	160	0	0	4	0	0	0	S x	x			
Sumner S (Gas); Lawrence; 3N; 13W															
	Aux Vases, Mis	2,566	1959	40	0	0	2	0	0	0	S 10		Mis	2,791	
Tamaroa*; Perry; 4S; 1W															
	Cypress, Mis	1,120	1942	20	0	0	2	0	0	0	S 13	AL	Mis	1,630	
Tilden N Gas†; Washington, St. Clair; 3S; 5-6W															
	Cypress, Mis	780	1961	x	x	x	x	x	x	x	S 25		Ord	2,810	

TABLE 9 — ILLINOIS GAS POOL STATISTICS, 1967 — Continued

Pool; county, location by township and range	Pay zone		Year of dis- covery	Area proved in acres	Gas production million cu ft		Number of wells				Pay zone			Deepest test		
	Name and age	Depth (ft)			During 1967	To end of 1967	Completed to end of 1967	Com- pleted in 1967	Aban- doned 1967	Pro- ducing end of year	Kind of rock, average thickness in feet, structure			Zone	Depth. (ft)	
Waggoner*; Montgomery; 11N; 5W																
	Pottsville, Pen	523	1959	10	0	0	1	0	0	0	S	2	x	Dev	1,893	
Wamac East* ++; Marion; 1N; 1E																
	Petro, Pen	856	1958	90	x	x	9	0	0	0	S	x	M	Dev	3,405	
Waverly* **; Morgan; 13N; 8W																
			1946	900	0	0	8	0	0	0			A	Ord	2,070	
	Pennsylvanian, Pen	250		160	0	0	1	0	0		S	13	AL			
	Devonian, Dev	1,000		700	0	0	6	0	0		L	10	A			
	Trenton, Ord	1,513	1963	40	0	0	1	0	0		L	x	x			
Westfield E*; Clark; 12N; 14W																
	Pennsylvanian, Pen	400	1947	50	0	0	2	0	0	0	S	11	ML	Pen	678	
Totals for Illinois (estimated)				34,535	199.0	19,304.9	672	1	6	3						

PART II. WATERFLOOD OPERATIONS

T. F. Lawry and Richard F. Mast

INTRODUCTION

Data presented in Part II indicate the continuing importance of secondary recovery in the petroleum industry of Illinois. During 1967, fluid injection operations accounted for 43,934,000 barrels of oil, or 73.1 percent of all of the petroleum produced in the state. The fluid injection operations can be divided into (a) 896 controlled waterflood operations, which produced 43,495,800 barrels of oil, and (b) 4 active pressure maintenance projects, which produced 438,200 barrels of oil.

In previous years, an estimate of oil produced by dump floods was made. This older method of secondary recovery has been supplanted by controlled waterfloods so completely that an estimate for dump-flood production is no longer necessary.

Recognition of the assistance of the oil producers in Illinois, especially the operators of these fluid injection projects, is made with deep appreciation. Their assistance in compiling the data and making it available to the Geological Survey is acknowledged with gratitude.

SUMMARY OF WATERFLOOD OPERATIONS

Fifty-one new waterfloods were reported in 1967, 41 waterfloods were abandoned, and one was dropped for lack of data. In addition, 37 project numbers were dropped as several multiple-pay waterfloods were rearranged in descending pay order under a single number for the entire project.

New waterflood projects added or reported for the first time in 1967 contributed 11,855 pay acres to the total acreage being subjected to fluid injection. As a result of expansion of older wa-

terflood projects or as a result of additional data received from the operators of most of the multiple-pay waterfloods, an additional 13,775 pay acres was assigned to "acreage subjected to fluid injection in 1967," for a year-end total of 338,100 pay acres. Total productive pay acres in Illinois at the end of 1967 was approximately 724,600. Fluid injection acreage, including active, pressure maintenance, and abandoned, represents 46.7 percent of the total pay acres. Considerable work has been done by the Illinois State Geological Survey during the past year to evaluate oil productive acreage for Illinois, not only on the basis of surface acres, but also on the basis of total productive pay acres.

TABLES

Table 10, "Project Numbers by County and Summary of Waterflood Projects," is a list of the counties of Illinois in which fluid injection projects are located. The table shows the index by which waterflood projects are numbered as well as a numerical summary of waterfloods by counties.

Table 11, "Waterflood Operations in Illinois, 1967," is a list of fluid injection projects, active, pressure maintenance, and abandoned. All or most of the data furnished by the operators is included in this table. If no report was received from an operator, production data, based on past performance of the waterflood, are estimated.

Table 12, "Illinois Waterfloods for 1967 by Counties," is a summary of the waterflood data on a county by county basis.

Table 13, "Illinois Oil Pools Having Active Waterfloods During 1967," is a summary of data for pools or fields having active waterfloods during that year.

Table 14, "Summary of Waterflood Statistics, 1949-1967," is a tabulation of summary totals, by years, showing the growth of fluid injection since 1949.

CONCLUSIONS

Annual waterflood oil production reached its peak, about 50,000,000 barrels per year, in the period 1961-1963. Since that time it has decreased, reaching the level of 43,500,000 barrels in 1965, and waterflood oil production has been fairly constant at this value. The stabilization of waterflood oil production in recent years is the net result of several factors:

1. Most of the larger, earlier floods have passed their peak and are beginning to show a decline.
2. Many of the small floods have also passed their peak. Many other small floods have been abandoned in recent years.
3. On the other hand, a fairly large number of sizable units have been formed since 1963. These are being steadily developed, so that the production from them is helping to

keep the total volume of waterflood oil more or less constant.

No new developments, processes, or areas of experiment for tertiary recovery were reported to the Geological Survey during 1967.

ABBREVIATIONS

The following abbreviations have been used in tables 10 through 14:

abd - abandoned
adj - adjusted
coop - cooperates, cooperating
cum - cumulative
disc - discontinued
est - estimate, estimated
excl - excludes, excluding, excluded
form - formerly
incl - includes, including, included
inj - injection
op - operator
prev - previous
prim - primary
prod - production
temp - temporary, temporarily

TABLE 10 — PROJECT NUMBERS BY COUNTY AND SUMMARY OF WATERFLOOD PROJECTS IN 1967

No.	County	Active water- floods	Active pressure maintenance	Abandoned	Total
000	Bond	1	0	3	4
100	Christian	5	0	0	5
200	Clark	13	0	13	26
300	Clay	45	0	18	63
400	Clinton	11	1	4	16
500	Coles	17	0	5	22
600	Crawford	81	0	24	105
700	Cumberland	3	0	3	6
800	Douglas	3	0	0	3
1000	Edwards	22	1	9	32
1100	Effingham	9	0	2	11
1200	Fayette	47	0	3	50
1300	Franklin	23	0	7	30
1400	Gallatin	29	1	11	41
1500	Hamilton	49	0	16	65
1900	Jasper	15	0	8	23
2000	Jefferson	15	1	7	23
2200	Lawrence	98	0	14	112
2300	Macon	0	0	1	1
2400	Macoupin	1	0	0	1
2500	Madison	6	0	1	7
2600	Marion	27	0	6	33
2900	Montgomery	0	0	1	1
3100	Perry	2	0	0	2
3400	Richland	21	0	16	37
3600	Saline	13	0	6	19
3800	Shelby	2	0	0	2
3850	Wabash	100	0	35	135
4000	Washington	11	0	1	12
4100	Wayne	85	0	27	112
4200	White	141	0	50	191
4500	Williamson	<u>1</u>	<u>0</u>	<u>0</u>	<u>1</u>
Totals		896	4	291	1191

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967

Field, County	General information				Production and injection statistics (M bbls)						
	Project No. * = ABD + = P.M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
A8 LAKE W, GALLATIN											
1417	COY OIL CO		AB LAKE WEST UNIT	WALTERSBURG	30,31-85-10E		1091		184		526*
*1421	COY OIL CO		AB LAKE WEST UNIT	AUX VASES	30,31-85-10E		219		*		*
ADEN C, HAMILTON, WAYNE											
4158	BARGER ENG		SW FAIRFIELD UNIT	AUX VASES	22-25-7E	200	977	13.5	98	115	390
4101	TEXACO, INC.		ADEN SOUTH	AUX VASES	8,9,16,17,20-35-7E		6138		1050		8418
*4102	TEXACO, INC.		ADEN SOUTH	MCCLOSKEY	8,9,16,17,20-35-7E		6506		660		*
4181	TEXACO, INC.		NORTH ADEN UNIT	AUX VASES	28,32,34-25-7F;	1817	7541	496.9*	1319*	2747*	6607
					4,5-35-7E						
4182	TEXACO, INC.		NORTH ADEN UNIT	MCCLOSKEY	28,32,33-25-7E;	207	7912	*	*	*	*
					4,5-35-7E						
ADEN S, HAMILTON											
1521	H. WEINERT EST.		SOUTH ADEN UNIT	AUX VASES SPARK MTN MCCLOSKEY	29,30-35-7F	434	1858	29.4	149		
AKIN, FRANKLIN											
*1310	C. E. BREHM		LARIO TRUSTEE A UNIT	AUX VASES	36-65-4E		109		0		
1311	C. E. BREHM		AKIN SE U	AUX VASES	25-65-4E	156	1570	38.1	153	80	
1321	C. E. BREHM		U.S. SIEEL	AUX VASES	26-65-4E	19	106	12.4	23	9	34
1317	JOE A. DULL		U.S. COAL AND COKE	CYPRESS	23-65-4E	5	374	5.6	27	10	198
1327	FARRAR OIL CO.		AKIN UNIT	AUX VASES	35-65-4E	65	196	17.2	21	13	53
ALBION C, EDWARDS, WHITE											
*4201	CUNCHO PET. CO.		NORTH CROSSVILLE UNIT	CYPRESS	26,27,34,35-35-10E		3620		313		1270
*4202	CUNCHO PET. CO.		N CROSSVILLE U	TAR SPRINGS	26,27,34,35-35-10E		868		58		69
*1014	CONTINENTAL OIL		STAFFORD	MCCLOSKEY	13-25-10E		625		43		637
1026	N. V. DUNCAN		MAXWELL-MUSSBARGER	BETHEL	15-35-10C	15*	148	2.4*	12		
*1015	FIRST NATL PET		BROWN	AUX VASES	6-25-11E				0		
1006	GETTY OIL CO		SW ALBION BIEHL SD U	BIEHL	2,11,14-35-1CE	1085	11819	43.9	1444	673	6906
1002	JARVIS BRUS.		H. WICK	OHARA	24-25-10E	24	827*	12.6	73	24	533
1000	MOBIL OIL CORP.		BIEHL U 2	BIEHL	14-35-10E	93	4138	1.3	604	26	1159*
1033	MOBIL OIL CORP.		ALBION U	AUX VASES	12-25-10E; 7,18-25-11E	372	774	9.4	13	43	45
				OHARA							
4200	MOBIL OIL CORP.		BIEHL U 1	BIEHL	22,23-35-10E	277	7937	17.3	1272	137	2614
1001	NOAH PET		SOUTH ALBION U BIEHL	BIEHL	1,2-35-10E	200*	2370	9.0*	432	115*	1329
1011	NOAH PET		S ALBION L BIEHL U	BIEHL	1-35-10E; 35,36-25-10E	140*	2856	9.0*	677*	75*	2082
1035	RK PET. CORP.		RK EAST ALBION UNIT	AUX VASES	6-25-11E; 1-25-10E	98	117	6.6	7	0	0
1018	REBSTECK OIL CO.		EAST ALBION UNIT	AUX VASES	36-15-10E; 31-15-11E	100*	1756	8.5*	198	35*	469
1003	SUPERIOR OIL CO.		SOUTH ALBION SRPU 1	BIEHL	25,36-25-10E	743	6635	71.0	1701	434	2703
				WALTERSBURG	30,31-25-11E						
1004	SUPERIOR OIL CO.		SOUTH ALBION UNIT 2	MANSFIELD	1,2,11,12-35-10E	335	335	72.3	1668*	1274*	10287*
				BRIDGECRKT		350	5647				
				BIEHL		475	4473				
				WALTERSBURG		181	1880				
				AUX VASES		1	1328				
1032	SUPERIOR OIL CO.		WORKS UNIT	WALTERSBURG	18,19-25-11E	189	269	16.1*	41*	60*	133*
				BETHEL		69	173				
				AUX VASES		13	39				
				MCCLOSKEY		62	122				
1036	SUPERIOR OIL CO.		WILLETT	WALTERSBURG	30-25-11E	23	79	44.6	459	64	102
*1030	TEXACO, INC.		BARNES EAST	WALTERSBURG	24-25-10E	*	544		33		537
4353	P. O. WALL		GRAYVILLE WEST U	CYPRESS	22-35-10C	129	1058	7.1	52	23	195
ALBION EAST, EDWARDS											
1031	WARRIOR OIL CO.		E. ALBION WALT. SAND U.	WALTERSBURG	31-15-14W; 6-25-14W	375	793	13.9	37	140	316
ALLENDALE, LAWRENCE, WABASH											
3383	ADAMS OIL CO		G.D. ADAMS COOP	CYPRESS	16-1N-12W	43	166	7.0	31	17	63
				BETHEL							
3969	ASHLAND O AND R		FRIENDSVILLE COOP	BIEHL	30-1N-12W	457	3284	19.7	244	409	2886
3902	BEULIGMANN ET AL		PRICE-PCBINSON	BIEHL	14-1N-12W	56	103	4.9	8	41	84
3865	JOHN BLEDSOE, JR		HOVERMALE	BENOIST	36-2N-12W	*	64*	*	2*	*	12*
3911	J. F. BREUIL		MADDEN	BIEHL	6,7-1N-11W	151	179	5.2	7	106	132
3905	FUREST OIL CO.		ALLENDALE (FLOOD 19)	BIEHL	3,4,9,10-1N-12W	2300	28156	53.6	1761		
				JORDAN							
*3971	T. W. GEORGE		YOUNG WF	BENOIST	1-1N-12W		208		*		
3900	CECIL A. HAMMAN		GILLIATT-ALKA	BIEHL	13-1N-12W	283*	2652*	5.9*	242*		
3990	HIGGINS ASSOC.		BUCHANAN	CYPRESS	33-1N-12W	42	344	3.2	43	1	25
3869	ILLINOIS OIL CO.		FRENCH ET AL	BIEHL	32-2N-12W	5	14	3.1	6	0	0
3906	ILLINOIS OIL CO.		YOUNG	BIEHL	1-1N-12W	245	3315	7.7	171*	151	370*
3996	ILLINOIS OIL CC.		SPARKS-PETER UNIT	BIEHL	36-2N-12W	189	897	5.4	44	111	405*
*3944	IND. FARM BUR.		WEEDS 'C'	BIEHL	20-1N-12W		633		45		559
3964	IND. FARM BUR.		ALLENDALE U	BETHEL	13-1N-12W	692	4214	10.4	302	303	999*
*3992	IND. FARM BUR.		KEYSER 'B'	BIEHL	13-1N-12W		303		20		*
*3999	JACK KENEIPP		WALSER	TAR SPRINGS	2-1N-12W		26		5		6
*3952	L AND M DRILLING		STANLEY PRICE	BIEHL	19-1N-12W		887		167		348
3871	CAYTON LOEFFLER		FRIENDSVILLE EAST L.	BIEHL	19-1N-12W	93	190	61.9	102	19	23
3901	CAYTON LOEFFLER		CLARK, BARTH.-PINNICK	TAR SPRINGS	25,36-2N-12W	14	20	0.7	1	1	1
3951	CAYTON LOEFFLER		ALLENDALE WEST UNIT	BIEHL	9-1N-12W	333	3287	12.7	505	273	1880
3993	RUVALCO, INC.		STILLWELL COURTER U	WALTERSBURG	21,22-1N-12W	234	1518	10.0	87	70	602
				CYPRESS							
2201	JOE SIMPKINS OIL		HERSHEY U	BETHEL	27-2N-12W	305	305	16.9	17	57	57
					34-2N-12W						
3920	C. E. SKILES		YELTON-KERZAN	BIEHL	5-1N-12W	*	*	6.7*	46	15*	39
2231	WAYNE SMITH, OP.		SAND BARREN UNIT 1	BIEHL	26-2N-12W	383	2513	31.7	289	352	2225
				JORDAN							
2232	WAYNE SMITH, OP.		SAND BARREN UNIT 2	BIEHL	23,26-2N-12W	32	306	7.6	65	25	174
3863	WAYNE SMITH, OP.		MT CARMEL UNIT	BIEHL	21-15-12W	18	18	1.0	1		
				CYPRESS							
*3903	WAYNE SMITH, OP.		TAYLOR-WHEATLEY	BIEHL	7,18-1N-12W		1124		217		909
				JORDAN							

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County		Reservoir statistics (avg. value)					Development as of 12-31-67					Injection water			Remarks
Proj. No.	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (*API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source				
								Inj.	Prod.		SD = Sand GR = Gravel PROD = Produced SH = Shallow	Type (F) = Fresh (B) = Brine (M) = Mixed			
AB LAKE W, GALLATIN															
*1417	2025	17.0	16.3	20	36.9	07-59	06-64	6	9	180	SH GRV, PENN SD (F)		*INCL WITH 1421		
*1421	2750	10.0	16.3	27	37.1	07-59	06-64	1	2	30	SH GRV, PENN SD (F)		*INCL WITH 1417		
ADEN C, HAMILTON, WAYNE															
4158	3250	9.0	21.0	156	40.0	02-62		2	7	100	PENN SD, PROD (B)				
*4101	3200	10.0	22.0	150	37.0	08-46	03-66	12	12	640	PRODUCED (B)		* INCL 4102		
*4102	3350	3.6			37.0	08-46	03-66	11	5	640	PRODUCED (B)		* INCL WITH 4101		
4181	3150	12.0			36.0	01-64		19	43	1000	PENN SD, PROD (B)		*INCL 4182		
4182	3350	14.0			28.0	01-64		27	23	1000	PENN SD, PROD (B)		*INCL WITH 4181		
ADEN S, HAMILTON															
1521	3245	21.0				03-64		4	10	150	PENN SD, PROD (B)				
	3335	10.0						4	10	150					
	3390	8.0						2	2	80					
AKIN, FRANKLIN															
*1310	3100	20.0				02-60	12-62	2	5	120	CYPRESS (B)				
1311	3120	20.0	20.5	175	38.0	10-61		3	11	150	PENN SD, PROD (B)				
1321	3100	16.0			38.0	06-65		1	4	60	PENN SD, PROD (B)				
1317	2840	15.0	13.0	90	24.0	05-62		2	6	80	PENN SD, PROD (M)				
1327	3060	14.7			27.0	01-66		3	3	100	PENN SD, PROD (B)				
ALBION C, ECHAPDS, WHITE															
*4201	2850	12.0	18.0		37.0	10-52	12-58	8	21	250	RIVER, PROD (M)				
*4202	2460	5.0	18.0		37.0	10-52	12-58	4	5	100	RIVER, PROD (M)				
*1014	3222	4.0	16.3	898	39.0	05-43	12-56	1	7	80	PROD (B)				
1026	2990	8.0				06-62		1	1	30	PRODUCED (B)		*ESTIMATED		
*1015	3005	21.0				04-52	07-55	1	1	30	HAROLDSBURG (B)				
1006	1850	16.2	18.0	150	32.2	01-55		18	17	403	GRAVEL, PROD (M)				
1002	3150	10.0				07-51		1	2	80	PRODUCED (B)		*1955-56 ESTIMATED		
1000	1900	20.0	19.3	203	35.8	09-50		1	3	50	RIVER, PROD (M)		*1963-64 ESTIMATED		
1033	3025	15.0	17.3	35	29.0	02-66		7	12	200	PENN SD, PROD (B)				
	3060	13.0						3	9	120					
4200	1900	21.2	20.2	265	38.0	06-48		3	8	170	RIVER, PROD (M)				
1001	2075	18.0	20.0	200	33.4	12-55		2	5	110	PRODUCED (B)		*ESTIMATED		
1011	2080	9.2	16.8	384	22.3	04-51		2	1	120	PRODUCED (B)		*INCL PRIM PROD SINCE 4-51 *EST		
1035	3010	18.3				10-66		3	3	70	CITY WATER (F)				
1018	3000	14.3	18.0	13	27.5	11-59		6	5	340	PENN SD, PROD (B)		*ESTIMATED		
1003	2025	12.3	18.5	807	26.0	01-55		8	10	222	SH SD, PROD (M)				
	2400	7.1	18.6	74	26.0			8	10	325					
1004	1630	10.0	20.6	53	37.0	01-67		2	7	90	GRAVEL BED, PROD (M)		*INCL DROPPED PROJ 1005,1012, 1024		
	1870	12.2	20.2			08-56		4	10	257					
	2050	15.8	18.2	338		08-56		4	3	80					
		19.2				06-60		2	2	135					
		20.6				08-56		1	4	140					
1032	2356	6.0	19.0	480	34.0	12-65		2	5	70	SH SD (F)		*INCL ALL PAYS		
	2919	6.0	14.6	10		12-65		3	5	100	SH SD (F)				
	3040	5.0	15.8	53		12-65		1	3	50	SH SD (F)				
	3068	8.0	14.2	3003	34.0	09-65		1	2	60	PRODUCED (B)				
1036	2400	8.5	19.2	209	38.0	10-65		1	3	40	SH SD (F)				
*1030	2370	20.0			39.0	11-63	12-66	1	4	40	PRODUCED (B)		*SWD ONLY		
4353	2850	12.0	17.0	50	38.0	05-62		4	5	225	BIEHL, PROD. (B)				
ALBION EAST, EEWARDS															
1031	2250	11.2	20.6	167	36.0	10-65		2	8	132	GRAVEL BED, PROD (M)				
ALLENDALE, LAWRENCE, WABASH															
3383	1996	10.0			37.0	05-64		1	3	40	SH SD, PROD (M)				
	2110	10.0						1	3	40					
3969	1600	15.0	14.2	335	33.0	10-60		1	6	80	PRODUCED (B)				
3902	1472	10.0	17.0		35.0	12-65		1	1	20	SH SD, PROD (M)				
3865	1948	30.0	18.7	77	36.4	02-65		1	1	20	SH SD, PROD (M)		*NO DATA 1966-67		
3911	1450	20.0	18.0			10-66		3	11	153	SH SD (F)				
3905	1465	15.0	17.7	390	35.7	06-55		23	18	307	GRAVEL BED (F)				
	1495	13.0	14.5	100											
*3971	2020	15.0				01-58	04-63	2	2		GRAVEL BEDS (F)		*INCL WITH 3906		
3900	1485	15.0	24.6	1066	32.5	11-54		5	3	35	SH SD, PROD (M)		*INCL 3950		
3990	2000	20.0	16.0	128	39.0	11-59		1	2	40	GRAVEL BED, PROD (M)				
3869	1575	8.0	17.0	40	36.0	05-65		1	1	10	SH SD (F)				
3906	1375	15.0	17.0	150	36.0	01-58		5	5	120	SH SD, PROD (M)		*INCL 3971 *SINCE 1-1-65		
3996	1375	15.0	16.0	200	37.0	10-62		3	3	50	SH SD, PROD (M)		*SINCE 1-1-65		
*3944	1520	15.0			26.4	11-53	06-57	5	7	147	PROD (B)				
3964	2120	20.0	20.1	115		07-59		10	14	180	SH SD, PROD (M)		*EST, INCL 3992		
*3992	1450	9.0			37.0	07-59	10-66	1	2	60	SH SD, PROD (M)		*INCL WITH 3964		
*3999	1553	11.0				07-62	10-64	1	1	20	SH SD, PROD (M)				
*3952	1520	20.0	18.0	450	33.0	11-54	01-60	1	3	40	SH WELL (F)				
3871	1520	20.0	15.0	200	35.0	06-64		3	6	100	SH SD (F)				
3901	1500	10.0	16.0	40	33.0	08-66		1	2	30	SH WELL (F)				
3951	1500	20.0	17.8	450	25.0	03-58		4	7	80	SH SD, PROD (M)				
3993	1500	11.0	18.6	45	23.4	01-62		1	1	30	RIVER GR, PROD (M)				
	2000	10.0			26.9			5	10	180					
2201	2010	12.0			37.0	01-67		6	8	130	PENN SD, PROD (B)				
3920	1600	15.0	18.0		25.5	06-66			2	20			*INJ WATER IN ADJ LEASES *EST		
2231	1300	18.0			34.0	09-57		10	7	75	SURFACE, PROD (M)				
	1340	8.0													
2232	1280	20.0			33.0	06-58		3	10	65	SURFACE, PROD (M)				
3863	1450	16.0	17.0	100	39.0	12-67		10	10	200	GRAVEL BED (F)				
	2000	10.0	18.0	150				12	12	210					
*3903	1400	15.0				06-57	12-66	4	6	50	RIVER GR, PROD (M)				
	1440	8.0								50					

TABLE 11 — WATERFLOOD OPERATIONS IN ILLINOIS, 1967 — Continued

Field, County		General information			Production and injection statistics (M bbls)					
Project No. * = ABD + = P.M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
					Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
ALLENOALE, LAWRENCE, WABASH (CONTINUED)										
3908	WAYNE SMITH, OP.	SHAW-SMITH-VIGH	BIEHL JROAN	35-2N-12W	51	1523	1.9	118	49	1405
3898	TAMARACK PET.	HERSEY-COGAN	CYPRESS	35-2N-12W	21	172	3.9	18*	8	76*
3899	TAMARACK PET.	A. HERSEY	CYPRESS	34-2N-12W	32	193	4.4	25	28	145
3904	TAMARACK PET.	PATTEN C	CYPRESS	28-1N-12W		644		90*		147*
3966	TAMARACK PET.	COGAN	BIEHL JROAN	35-2N-12W	267	1423	8.2*	175*	296*	1321*
3978	TAMARACK PET.	COGAN	CYPRESS	35-2N-12W	0+	186	*	*	*	*
3979	TAMARACK PET.	HERSEY-COGAN	BIEHL	35-2N-12W		9		4		17*
3868	UNIVERSAL OPRINC	LITHERLAND-SMITH UNIT	BIEHL	5-1N-12W	211	456	10.4	81		130*
3973	UNIVERSAL OPRINC	SOUTH ALLENOALE	BIEHL	15-1N-12W	21	845	1.3	38		247*
3909	WOLOP OIL CO.	ALLENOALE U	BIEHL JROAN	3-1N-12W	253	5173	6.2	257	249	3644
ASSUMPTION C, CHRISTIAN										
100	CONTINENTAL OIL	BENOIST	BENOIST	3,4,9,10,15,16, 21-13N-1E	0*	7313	11.0	1324	39+	2696
101	CONTINENTAL OIL	OEONIAN	LINGLE	3,9,10-13N-1E	2005	11664	150.5	1577	574	3057
102	CONTINENTAL OIL	RCSICLARE	SPAR MTN	9,10-13N-1E	375	2558	38.0	951	345	2549
104	FEAR AND OUNCAN	ASSUMPTION WFU	OEONIAN	17,20-3N-1E	101	235	19.5	24	37	55
BARNHILL, WAYNE, WHITE										
*4103	ASHLAND O AND R	BARNHILL U	MCCLOSKEY	26,34,35-2S-8E		9137		1235		
4170	ASHLAND O AND R	BOZE UNIT	AUX VASES	27,28,34-2S-8E	105	436	20.5	64	90	240
4171	ASHLAND O AND R	CALDWELL UNIT	AUX VASES	34-2S-8E	238	918	19.3	48	174	417
4199	N. V. DUNCAN	BOZE U	AUX VASES	28,33,34-2S-8E	28*	180	9.7*	24		
4129	WAYNE OEV	WALTER	MCCLOSKEY	26-2S-8E		144		21		119
*4104	WILLETS AND PAUL	BARNHILL UNIT	AUX VASES	27,28-2S-8E		4090		491		1880
*4105	WILLETS AND PAUL	BARNHILL UNIT	OHARA SPAR MTN	27-2S-8E		53		7		2
BARTELSON, CLINTON										
* 400	T. R. KERWIN	BELLE OIL	CYPRESS	4-1N-3W		978		135*		187
* 401	ROBBEN OIL CO.	ROBBEN OIL UNIT	CYPRESS	4-1N-3W		3100		639*		1621
402	H. S. WCCOARD	H.S. WCCOARD, TRUSTEE	CYPRESS	5,8-1N-3W	110*	1466*	5.0*	325*	110*	1741*
BEAUCOUP, WASHINGTON										
4005	SHELL OIL CO.	BEAUCOUP S. UNIT	BENOIST	33,34-2S-2W	593	3958	25.1	258	544	3272
BEAUCOUP S, WASHINGTON										
4008	WARRICK OIL CO.	GILBERT	BENOIST	34-2S-2W	5	91*	0.9	32+	5	92*
BEAVER CREEK, BONO, CLINTON										
* 1	T. M. CONREY, JR	WRONE C	BENOIST	36-4N-3W		106		23		
BEAVER CREEK S, BONO, CLINTON										
405	T. M. CONREY, JR	R-K-R-S	BENOIST	11,12,13,14-3N-3W	152	991*	15.8	176*	19*	1158*
BELLAIR, CRAWFORD, JASPER										
600	K-LOO OIL CO.	BELLAIR	BELLAIR 500	2,11,12-6N-14W	1080*	28078*	14.4*	815*	1056*	4215**
601	UNION OIL CALIF.	FULTON (BELLAIR)	BELLAIR 500	1,2,11,12-8N-14W	143	60146	18.6	1484	249	32428
* 666	WAUSAU PET. CORP	GRANT	ROBINSON	13-8N-14W		1343		161		380
BENTON, FRANKLIN										
1300	SHELL OIL CO.	BENTON UNIT	TAR SPRINGS	23,24,25,26,35,36-6S-2E; 18,30,31-6S-3E	5698	181748	154.0	18910	5696	137279
1314	SHELL OIL CO.	SHELL-BENTON DEEP	AUX VASES OHARA MCCLOSKEY	25,36-7S-2E	809	3632	275.1	1032	400	1462
BENTON N, FRANKLIN										
1328	FARRAR OIL CO.	BENTON NORTH UNIT	BETHEL AUX VASES OHARA MCCLOSKEY	25,35,36-5S-2E	704	1237	203.9	277	275	371
1326	SHAKESPEARE OIL	NORTH BENTON UNIT	PAINT CREEK OHARA SPAR MTN	1-6S-2E	334	348	52.9	54	50	52
BERRYVILLE C, EDWARDS, WABASH										
*3942	PHILLIPS PET. CO	TARPLEY C	MCCLOSKEY	2-1N-14W		35		0		103
*3943	PHILLIPS PET. CO	TOWNSEND	MCCLOSKEY	35-2N-14W		50		0		86
BLACKLAND, CHRISTIAN, MACON										
*2300	FEAR AND OUNCAN	DAMERY C	SILURIAN	5-15N-1E		6		0		4
BONE GAP C, EDWARDS										
1034	CONTINENTAL OIL	BONE GAP SOUTH UNIT	CYPRESS	19-1S-14W	89	193	1.1	2	9	15
*1013	V. R. GALLAGHER	BONE GAP UNIT	WALTERSBURG	18-1S-14W	160	1565	13.4	491	161	1565
BOULOER, CLINTON										
* 411	TEXACO, INC.	BOULDER BENOIST SO L	BENOIST	2-2N-2W; 35,36-3N-2W		9234		681		4368
BOURBON C, DOUGLAS										
800	T J LOGUE	BOURBON POOL WF	SPAR MTN	2,11,12-15N-7E	*	6000*	*	500*	*	*

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Reservoir statistics (avg. value)				Development as of 12-31-67				Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil grav- ity (*API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	
Proj. No.								Inj.	Prod.		
ALLENDALE, LAWRENCE, WABASH (CONTINUED)											
3908	1380	15.0			34.0	09-57		2	6	45	SURFACE, PROD (M)
	1420	8.0									
3898	1920	10.0				07-62		1	1	20	SH SD, PROD (M)
3899	1920	8.0				07-62		1	1	20	SH SD, PROD (M)
*3904	1800	16.0			34.8	C1-54	12-60	4	7	130	RIVER GRAV, PROD (M)
3966	1380	18.0	18.0			C6-60		2	3	18	SH SD, PROD (M)
	1440	15.0									
3978	1920	10.0	*			09-61		2	4	18	SH SD, PROD (M)
*3979	1333	12.0				10-51	C3-63	1	1	10	SH SD, PROD (M)
3868	1900	13.0			37.0	04-65		2	3	60	PENN SD, PROD (B)
*3973	1480	13.0	15.0	160	32.9	03-61	05-67	6	3	60	SH SD, PROD (M)
											*INCL 3979 1962-63
											*ESTIMATED
											*INCL 3973
											*INCL WITH 3966 + I.A. 9-65
											*INCL 3898, (1962, 1963)
											*ESTIMATED
											*INCL PRIM PROD SINCE 1961
											*EST FOR 1964-66
3909	1500	18.0	15.0	1400	34.0	09-53		3	3	40	TAR SPR, PROD (B)
	1538	14.0									
ASSUMPTION C, CHRISTIAN											
100	1050	13.0	19.0	100	28.0	07-50		0	9	350	
											*INJ DISC 11-62
											*PROD WATER REINJ OTHER PAYS
101	2300	13.0	12.0	50	40.0	05-55		26	27	600	PRODUCED (B)
102	1150	12.0	22.0	561	39.3	06-55		3	8	208	PRODUCED (B)
104	2329	20.0			40.0	06-66		2	7	180	PRODUCED (B)
BARNHILL, WAYNE, WHITE											
*4103	3350	9.0			39.0	01-51	C3-63	10	22	260	CYPRESS (B)
4170	3300	14.0			28.2	10-63		3	5	120	PENN SC (B)
4171	3560	15.0			36.9	10-63		6	6	140	PENN SC (B)
4199	3328	25.0				11-63		3	4	70	PENN SD, PROD (B)
*4129	3450	18.0				12-50	C1-55	1	2	40	CYPRESS (B)
*4104	3250	14.0	18.7	42	38.0	10-56	12-66	12	10	230	PENN SD, PROD (B)
*4105	3323	8.0	20.1	108	35.0	10-56	12-59	2	6	40	PENN SD, PROD (B)
											*ESTIMATED
											*INCL PRIM PROD
BARTELS, CLINTON											
* 400	970	15.0	22.2	165	37.0	04-52	C1-63*	5	5	40	TAR SPRINGS (B)
* 401	980	12.0	20.0	110	36.9	11-53	C1-63*	12	19	200	BETHEL, PROD (B)
402	970	18.0	21.0	210	38.0	01-54		5	3	80	PRODUCED (B)
											*ESTIMATED
											*ESTIMATED
											*ESTIMATED 1966-67
BEAUCOUP, WASHINGTON											
4005	1440	6.0	19.0	240	36.0	11-60		7	11	307	PENN SC, PROD (P)
BEAUCOUP S, WASHINGTON											
4008	1445	6.0	17.5	111	36.0	01-55		1	1	27	PRODUCED (P)
											*SINCE 1-55 +INCL PRIM PROD
BEAVER CREEK, BOND, CLINTON											
* 1	1140	8.0	20.7	208	37.4	07-53	12-61	1	4	40	PROD (B)
BEAVER CREEK S, BOND, CLINTON											
405	1110	8.0			34.0	C1-56		3	11	140	PRODUCED (B)
											*INCL DROPPED PROJ 409
BELLAIR, CRAWFORD, JASPER											
600	600	28.0	17.1	148	31.0	07-48		56	50	204	SH SD, PROD (M)
601	560	21.0	19.0	149	32.0	07-48		35	69	443	GRAVEL BED, PROD (B)
* 666	950	16.0	17.2	125	35.0	02-53	02-61	15	11	70	PENN SD, PROD (M)
											*EST + SINCE 1-64
BENTON, FRANKLIN											
1300	2100	25.0	19.0	165	37.5	11-49		86	65	2200	LAKE, PROD (M)
1314	2760	17.0	18.2		39.0	05-62		9	8	550	CYPRESS, PROD (M)
	2810	7.0						5	7	320	
	2890	12.0						3	6	320	
BENTON N, FRANKLIN											
1328	2550	8.0				02-66		6	7	140	DEGONIA, PROD (P)
	2660	12.0						6	7	140	
	2730	5.0						4	4	90	
	2800	8.0						3	4	140	
1326	2590	9.2	15.0	22	36.0	12-66		5	13	180	PENN SD (B)
	2755	6.0	12.0					1	3	80	
	2800	6.0						1	1	40	
BERRYVILLE C, EDWARDS, WABASH											
*3942	2890	10.0				09-52	01-53	1	2	14	TAR SPRGS, PROD (P)
*3943	2890	10.0				02-52	06-53	1	2	27	TAR SPRGS, PROD (P)
BLACKLAND, CHRISTIAN, MACON											
*2300	1920	10.0			37.0	10-63	12-63	1	2	80	AUX VASES (P)
BONE GAP C, EDWARDS											
1034	2320	10.0	17.2			02-66		1	2	40	PRODUCED (B)
*1013	2310	20.0	18.0	120	34.6	06-62		1	11	120	PRODUCED (B)
BOSULDER, CLINTON											
* 411	1200	25.0	17.5	104	34.6	09-60	10-64	25	17	470	PROD (B)
BOURBON C, DEGLAS											
800	1600	12.0			34.0	09-59		18*	30*	800*	PRODUCED (P)
											*NO DATA 1967- EST 9-59 TO 12-65

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County		General information			Production and injection statistics (M bbls)						
					Water injection		Oil production		Water production		
		Project No. * = ABD + = F.M.	Operator	Project U = Unit	Pay name	Location S - T - R	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967
BOYD, JEFFERSON											
2000	SUPERIOR OIL CO.	BOYD FIELD UNIT	AUX VASES	13,19,20,29,30-1S-2E; 13,24,25-1S-1E	1143	14350	*	*	*	*	
2001	SUPERIOR OIL CO.	BOYD FIELD UNIT	BENOIST	18,19,29,30-1S-2E; 13,24,25-1S-1E	729	54846	+3.2*	4154*	1866*	43513*	
BROWN, MARION											
2615	ELMER PIERMAN	LEONARD-LANCASTER	CYPRESS	16-1N-1E	51	219	3.2	21	26	188	
BROWNS, EDWARDS, WABASH											
1020	IND. FARM BUR.	SEHUNAMAN WF	CHARA	3,10-2S-14W	35	40	19.0	19	0	0	
1021	SUPERIOR OIL CO.	BROWNS U CYPRESS	CYPRESS	28,33-1S-14W	8	2013	10.1*	390*	21*	681*	
1022	SUPERIOR OIL CO.	BROWNS U BETHEL	BETHEL	28,33-1S-14W	12	1127	*	*	*	*	
1023	SUPERIOR OIL CO.	BROWNS U WEILFR	CYPRESS	28,33-1S-14W	9	488	*	*	*	*	
3894	TARTAN OIL CO.	BROWNS UNIT	TAR SPRINGS	33-1S-14W		15*		2*		*	
BROWNS E, WABASH											
3912	T. W. GEORGE	BELLMONT W.F. ASSOC C	CYPRESS	1,2,11,12-2S-14W		3009		905		1122	
3914	T. W. GEORGE	SOUTH BELLMONT	CYPRESS	11,14-2S-14W	*	328*	*	7*			
3913	MOBIL OIL CORP.	BELLMONT	CYPRESS	2,11-2S-14W		822		582		268	
BUNGAY C, HAMILTON											
1550	COLLINS BRUS.	SOUTH BUNGAY UNIT	RENALLT	34,35-4S-7E	320*	1351	31.0*	81	135*	268	
1558	COLLINS BRUS.	NORTH BUNGAY	RENALLT	13,14,23,24-4S-7E	600*	1229	82.5*	142	148*	188	
1527	FEAR AND OUNCAN	O'DELL	RENALLT	16-4S-7E	46	46	19.1	18	4	4	
1522	MARATHON OIL CO.	BUNGAY 1-A	AUX VASES	26,27,34,35-4S-7E	1184	8125	45.5	782	1251	5615	
1554	MOBIL OIL CORP.	HAYES	AUX VASES	15-4S-7E	113	231	11.2	24	41	79	
*1500	TEXACO, INC.	BLAIRSVILLE U	AUX VASES	16,17,20,21-4S-7E		7692		699		2457	
1530	TEXACO, INC.	J.A. LYNCH	AUX VASES	16-4S-7E	61	1836	5.1	73	58	673	
1519	V-F PETROLEUM	BUNGAY L WF	AUX VASES	21-4S-11E	108	126	2.0	3	5	6	
CALHOUN C, RICHLAND, WAYNE											
*3400	ASHLAND O AND R	CALHOUN	MCCLOSKEY	7,18-2N-10E; 13-2N-9E		3032		157			
3401	SAM TIPPS	RICHLANDER UNIT	MCCLOSKEY	6,7-2N-10E		2175		235*		1681*	
CALHOUN E, RICHLAND											
3423	ALVA C. OAVIS	SLONAKER	MCCLOSKEY	7-2S-11E	*	47	*	1	*	4	
CALHOUN S, EDWARDS, RICHLAND, WAYNE											
4086	ZANETIS OIL PRCP	RUTGER	MCCLOSKEY	1,2-1N-9E	27	37	33.0	52	27	37	
CARLYLE, CLINTON											
407	T. M. CONREY, JR	KREITEMEYER	BENOIST	23-3N-3W	48	384	1.5	28			
CARM, WHITE											
4402	ROYAL C AND G	NIEKAMP	MCCLOSKEY	26-3S-9E	8	85	11.7	16	8	18	
CASEY, CLARK											
226	K. E. BUSH	E.A. SPAWVER	CARPER	23,24-10N-14W	*	49*	*	28*	*	70*	
* 217	CALVAN AMERICAN	SPAWVER	CASEY	23,24-10N-14W		49		0		0	
* 201	FUREST OIL CO.	CASEY	CASEY	14,15,23-10N-14W		8030		462			
202	O. W. FRANCHOT	N. CASEY	CASEY	33,34-11N-14W 4,5-10N-14W	210	2853	3.1	35			
CENTERVILLE, WHITE											
4409	SUN OIL CO.	BROWN UNIT	CHARA	2-4S-9E	47	240	1.4	3	9	17	
CENTERVILLE E, WHITE											
4203	CONSEL. O AND G	E. CENTERVILLE UNIT	TAR SPRINGS CYPRESS BETHEL	18-4S-10E	693	6733	52.5	854	715	4439	
4379	GULF OIL CO	EAST CENTERVILLE UNIT	AUX VASES TAR SPRINGS HARDINSBURG CYPRESS BETHEL AUX VASES MCCLOSKEY	7,8,17-4S-10E	2212	14914	148.9*	1699*	1991*	8377*	
4394	GULF OIL CO	JONES-BAIRD	CYPRESS	7-4S-10E	127	717	15.3	82	162	492	
4267	C. B. LESH	CENTERVILLE E	SPAR MTN	12-4S-9E				4		4	
4376	MOBIL OIL CORP.	JONES ESTATE	TAR SPRINGS	7-4S-10E	175	680	22.6	137	35	47	
*4246	SUN OIL CO.	E. CENTERVILLE	TAR SPRINGS	7-4S-10E		269		39		132	
CENTRAL CITY, MARION											
2623	WILLIAM PFEFFER	PFEFFER U	PETRO	8-1N-1E	7	22	3.0	8		15	
CENTRALIA, CLINTON, MARION											
419	KARCHMER PIPE	KARCHMER-TRENTON	TRENTON	1,2-1N-1W; 26,27,34,35, 36-2N-1W	*	21	*	0	*	21	
403	W. G. MORGAN	CENTRALIA FIELD	BENOIST	35-2N-1W	*	*	4.5*	82*	*	*	
420	HUBERT ROSE	BUEHLER CUMM	DEVONTIAN	1-1N-1W	2297	2297	29.0	29	2297	2297	
412	FRED SEIP	ROTHMEYER, BUEHLER, COE	CYPRESS	13-1N-1W	73	520*	3.6	46*	110	634*	
404	SHELL OIL CO.	CENTRALIA U	CYPRESS BENOIST	1,2,12-1N-1W; 35,36-2N-1W	6324	68265	231.0	10118	5345	67286	

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67				Injection water			Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil grav- ity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source		
								Inj.	Prod.		SD = Sand GR = Gravel PROD = Produced SH = Shallow	Type (F) = Fresh (B) = Brine (M) = Mixed	
Proj. No.													
BOYD, JEFFERSON													
2000	2130	11.9	21.4	24	26.8	03-55		6	12	569	PRODUCED (B)		*INCL WITH 2001
2001	2065	17.3	17.5	173	29.5	06-55		5	10	1564	SH SD, PROD (M)		*INCL 2000
BROWN, MARION													
2615	1650	10.0			23.0	07-60		1	3	40	PRODUCED (B)		
BROWNS, EDWARDS, WABASH													
1020	3022	8.0			35.4	11-66		1	8	380	SH SD (F)		
1021	2640	8.2	16.6	106	26.8	11-59		6	8	198	PRODUCED (B)		*INCL 1022, 1023
1022	2780	6.3	17.5	5	26.8	11-59		6	8	176	PRODUCED (B)		*INCL WITH 1021
1023	2720	7.0	17.4	5	26.8	02-60		2	4	169	PRODUCED (B)		*INCL WITH 1021
3894	2300	10.0	15.0			11-62		1	1	50	PRODUCED (B)		*TEMP SUSPENDED 12-63
BROWNS E, WABASH													
*3912	2570	13.0				01-51	01-57	18	18	290	SH SD, PROD (M)		*INCL PRIM PROD
3914	2560	8.0			37.0	04-56		7	5	75	PENN SD, PROD (B)		*NO DATA 1965-67
*3913	2570	11.0			35.0	11-47	07-63	6	8	169	TAR SPR, PROD (B)		*NO INJ SINCE 12-58
BUNGAY C, HAMILTON													
1550	3280	6.0	12.0	244	38.5	08-64		5	11	300	PENN SD, PROD (B)		*ESTIMATED
1558	3280	8.0	18.9	325	29.0	09-65		4	5	100	PENN SD (B)		*ESTIMATED
	3300	10.0	20.0	100				6	5	120			
1527	3254	12.0	14.0	350	38.0	01-67		1	4	60	PRODUCED (B)		
1522	3300	17.0	22.0	182	41.0	05-61		14	11	390	CYPRESS, PROD (B)		
1554	3275	13.5	21.8	104	36.0	09-65		3	3	22	SH SD, PROD (M)		
*1500	3330	15.5	17.6	92	37.0	06-48	07-64	10	12	640	PENN, PROD (B)		
1530	3300	25.0	17.8	107	37.0	09-61		3	1	60	PENN SD, PROD (B)		
1519	3331	15.0	20.0	80	29.1	09-66		2	3	50	SH SD, PROD (M)		
CALHOUN C, RICHLAND, WAYNE													
*3400	3150	6.0			37.0	09-51	08-64	3	8	140	CYPRESS (B)		
*3401	3130	10.0	11.2	67	39.0	06-50	12-66	3	10	220	PRODUCED (B)		*NO DATA 1959-1966
CALHOUN E, RICHLAND													
3423	3268	10.0			37.2	08-65		2	2	80	TAR SPR, PROD (B)		*NO DATA 1966-67
CALHOUN S, EDWARDS, RICHLAND, WAYNE													
4086	3250	23.0			29.0	08-66		1	9	20	PRODUCED (B)		
CARLYLE, CLINTON													
407	1142	7.0			34.0	06-55		1	7	80	PRODUCED (B)		
CARM1, WHITE													
4402	3143	8.0			30.0	09-65		1	2	60	PENN SD, PROD (M)		
CASEY, CLARK													
226	1345	30.0	15.0	8	38.0	06-61		1	11	110	PRODUCED (B)		*NO DATA 1965-67
*217	450	21.5	22.4	108	31.8	08-53	08-54	9	4	40	SH SD (F)		
*201	450	10.0			31.7	03-50	03-61	76	66	280	GRAV BFO AND PROD (M)		
202	290	20.0	21.5	400	26.0	12-53		15	12	40	SH SD, PROD (M)		
CENTERVILLE, WHITE													
4409	3360	13.0			37.0	12-65		1	1	20	PENN SD (B)		
CENTERVILLE E, WHITE													
4203	2470	17.0	16.0	97		03-56		5	8	130	PALESTINE, PROD (B)		
	2850	17.0	15.0	12				8	9	190			
	2960	17.0	14.0	8				4	4	80			
	3060	20.0	20.0	45				4	7	110			
4379	2460	37.0	15.7		36.6	01-63		22	17	420	SH SD, PROD (M)		*INCL ALL PAYS
	2632	10.0						1	0	10			
	2850	35.0	14.4					16	16	340			
	2980	18.0	14.1					15	16	330			
	3080	19.6	19.6	109				18	15	350			
	3225	6.0						1	2	60			
4394	2910	15.0	14.4	109	36.6	10-63		3	4	100	PRODUCED (B)		
*4267	3366	7.0			43.0	06-54	12-55	1	1	20	TAR SPRINGS (B)		*INCL PRIMARY SINCE 6-54
4376	2500	16.0	15.7	21	35.4	09-63		2	2	25	FURCHASED (B)		
*4246	2530	6.0			36.6	10-50	09-57	1	5	80	PROD (B)		
CENTRAL CITY, MARION													
2623	864	22.0			34.0	10-64		1	6	60	PRODUCED (B)		
CENTRALIA, CLINTON, MARION													
419	3950	59.9			40.0	11-66		21	32	1080	AUX VASES (B)		*INACTIVE 1967
403	1368	10.0			38.0	10-55		1	7	40	CYPRESS, PROD (B)		*ESTIMATED, NO DATA 1962-67
420	2880	29.0			38.8	06-66		3	5	269	PRODUCED (B)		
412	1200	10.0		80	34.0	11-60		3	6	40	PRODUCED (B)		*1966 ESTIMATED
404	1200	20.4	20.2	225	34.8	05-56		55	64	1450	PRODUCED (B)		
	1350	19.6	19.6	186				75	88	1560			

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67					Injection water		Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil grav- ity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source SD = Sand GR = Gravel PROD = Produced SH = Shallow	Type (F) = Fresh (B) = Brine (M) = Mixed	
Proj. No.								Inj.	Prod.				
CENTRALIA, CLINTON, MARION (CONTINUED)													
* 408	3950	22.0	10.0		39.8	11-51	03-53	2	12	160	DEVONIAN (B)		
CHESTERVILLE E, DOUGLAS													
801	1725	10.0	16.0	167	38.0	09-61		12	8	360	RIVER, PROD (M)		
CLAY CITY C, CLAY, JASPER, RICHLAND, WAYNE													
*1900	2645	8.0			40.0	09-53	04-60	3	3	40	GRAVEL, PROD (B)		
*3402	3000	5.0			38.0	07-54	04-61	1	1	20	CYPRESS (B)		
362	2970	10.0			36.0	12-66		1	1	20	PENN SD, PROD (B)		
3428	2800	10.0	18.0	50	39.0	04-64		30	25	500	PENN SD, PROD (B)		
3403	2950	11.0			38.0	05-55		2	3	225	PRODUCED (B)		
1918	2900	7.0				04-65		1	1	40	PENN SD, PROD (B)		
3433	2870	5.0	13.0	120		01-65		2	5	160	PRODUCED (B)		
3436	3005	9.0				09-66		3	9	140	PRODUCED (B)		
*4107	3160	10.0				04-55	04-63	1	2	40	CYPRESS, PROD (B)		
4147	3130	12.0			39.0	01-61		4	9	250	PENN SD, PROD (B)		*ESTIMATED
4140	3135	13.0			38.4	12-60		2	4	60	PRODUCED (B)		
*1913	2850	16.0				10-60	12-64				CYPRESS (B)		
4092	3110	28.0				08-65		5	5	100	PENN SD, PROD (B)		*ESTIMATED
4098	3128	20.0				12-62		1	4	50	PENN SD, PROD (B)		*ESTIMATED
*4109	3060	15.0				08-50	01-63	4	4	150	CYPRESS (B)		*DUMP FLOOD, NU RECORD
	3080	15.0											
	3100	15.0											
4146	3000	11.0	13.0	16	40.2	10-60		22	26	720	SH SD, PROD (M)		
4136	3050	18.0				04-59		1	3	50	CYPRESS (B)		*OF 1960-63 +1964-66 ONLY
*4174	3010	20.0				08-64	06-65	1	3	40	PRODUCED		
* 317	2975	11.4	19.8	57	38.8	05-54	12-60	9	8	125	PENN SD, PROD (B)		
1915	2960	10.0	13.6		35.1	03-62		2	3	50	PENN SD, PROD (B)		
*4130	3115	8.0	12.0		40.1	08-55	10-56	1	1	12	TAR SPRINGS (B)		
326	3000	5.0	16.0	1307	35.0	01-61		1	1	40	PRODUCED (B)		*INCL PRIM PROD SINCE 1-61
4094	3031	26.0				04-66		1	1	20	PENN SD (B)		
*4141	3130	12.0			22.6	03-60	10-65	3	7	160	PROD (B)		
4156	3100	14.0			40.0	07-62		2	4	200	PENN SD (B)		
4175	3031	15.0	20.0	27	38.5	02-64		2	2	50	PENN SD, PROD (B)		
4197	3040	22.0				01-66		1	1	20	PRODUCED (B)		*INJ SUSPENDED 4-66
4198	3215	20.0			38.0	10-62		1	3	40	PENN SD (B)		*NO DATA BEFORE 1965
4184	3150	15.0	14.0	40		12-65		3	3	60	PENN SD (B)		*ESTIMATED 1966-67
4111	3115	8.0			37.0	04-58		1	2	80	PROD (B)		*INCL PRIM PROD *NU DATA BEFORE 1966
3419	2540	28.0	18.0	140		07-60		5	5	90	PENN SD, PROD (B)		
*4119	2900	5.0	19.0		38.0	01-55	05-62	4	15	400	PENN SD, PROD (B)		
*3416	2500					08-54	10-60				PRODUCED (B)		*INCL WITH 3409
3421	2535	21.0			35.0	10-60		6	13	320	TAR SPR (B) (B)		*ESTIMATED 1962-67
300	3010	5.0				06-55		1	1	100	RIVER, PROD (M)		
* 301	2990	30.0	14.0	2000	38.5	07-53	05-58	1	1	20	PROD (B)		
3427	2800	6.0			36.0	05-64		1	4	50	PENN SD, PROD (B)		
4087	3120	13.0				06-67		3	6	120	SH WELL (F)		
4159	3200	7.2	13.0	200	40.1	10-62		5	8	480	PENN SD (B)		
4173	2990	5.0			37.0	07-63		1	2	20	PRODUCED (B)		
1901	2530	6.2	14.0		38.0	05-51		1	2	235	PRODUCED (B)		*ESTIMATED
1902	2580	8.2	14.0		40.0	05-53		3	5	415	SH SD, PROD (M)		*ESTIMATED
4084	2935	11.0	16.0	35	39.3	03-67		1	3	55	PRODUCED (B)		
*4115	3150	8.0	19.0	115	39.0	01-56	05-63	6	4	172	SEWAGE, PROD (M)		
*4116	3200	14.8	20.0	80	39.0	08-54	05-63	7	11	243	SEWAGE, PROD (M)		
347	2933	15.0			39.2	02-59		1	2	40	CYPRESS (B)		*ESTIMATED
3414	2935	7.0			40.0	04-66		2	2	90	CYPRESS, PROD (B)		
4088	2990	12.0	19.0	22	39.5	12-61		2	5	120	CYPRESS, PROD (B)		
4117	2639	12.5	16.5	43	34.4	01-57		2	3	60	SH SD (F)		*INCL PRIM PROD SINCE 1-57
4118	3065	15.9	19.0	85	38.7	01-57		13	13	588	SH SD, PROD (M)		
4110	3200	8.03	14.0	80	38.0	06-55		12	11	3100	PENN SD, PROD (B)		*ESTIMATED
	3250	6.0	13.0	300									
4196	3170	18.0			39.0	08-65		20	19	480	PENN SD, PROD (B)		
4190	3004	16.0			38.0	10-65		1	4	40	PENN SD, PROD (B)		*ESTIMATED
*4108	3016	10.0				02-54	12-61	2	2	80	PROD (B)		*ESTIMATED
4157	3040	10.1	15.9	24	39.0	10-62		2	5	100	PURCHASED (B)		
4165	3200	19.0				11-63		7	20	960	PENN SAND (B)		*INCL WITH 4166
4166	3080	8.0				12-63		6	13	250	PENN SD (B) I		*INCL 4165, 4178
*4178	3170	5.4				12-63	12-66	3	5	160	PENN SAND (B)		*INCL WITH 4166
4191	3100	10.0	18.0	50	24.5	11-65		4	9	180	PENN SD, PROD (B)		
4193	2960	14.0	19.0	30	39.0	01-65		8	18	280	SH GRAVEL (F)		
4194	3150	12.0			39.0	11-65		4	9	100	CYPRESS SAND (B)		
*4132	3255	6.0			38.0	01-58	07-59	1	1	40	CYPRESS, PROD (B)		
*4144	3150	13.0	19.0	85		11-60	01-64	9	10	150	PENN SD (B)		
302	2639	15.0	18.0	65		09-56		8	7	620	PENN SD, PROD (B)		
335	2596	17.0	15.0	24		07-61		12	6	320	PENN SD, PROD (B)		
	2957							3	5	280			
349	2650	20.0	13.0	200		07-65		23	40	1480	PENN SD, PROD (B)		
	2900	26.0						8	11	200			
	3000	27.0						4	14	700			
358	2958	29.0	15.0	24	36.0	05-65		2	7	80	PRODUCED (B)		
1910	2670	8.0	15.0	24		10-60		5	4	260	CYPRESS, PROD (B)		
1911	2750	10.0				01-66		6	13	620	PRODUCED (B)		
1919	2720	37.0	18.0	87		07-65		18	28	1160	PENN SD, PROD (B)		
	2791	31.0						13	24	1200			
1922	2720	12.0				11-66		6	15	310	PRODUCED (B)		
	2900	11.0						12	18	570			
	3400	32.0						15	16	680			
3404	2930	10.0	15.0	24	36.8	08-54		13	37	1702	PRODUCED (B)		
3405	2975	5.0	15.0	24		07-57		3	2	448	PRODUCED (B)		
*3406	2984	6.0	15.0	75		05-57	03-66	2	3	340	CYPRESS, PROD (B)		*EST
3418	2545	32.0	17.0	120		05-59		49	42	1640	PENN SD, PROD (B)		
3425	2620	20.0	15.0	75		12-63		7	8	500	PENN SD, PROD (B)		

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	General information				Production and injection statistics (M bbls)						
	Project No. * = ABD + = P.M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
CLAY CITY C, CLAY, JASPER, RICHLAND, WAYNE (CONTINUED)											
3429	UNION OIL CALIF.	NE WAKEFIELD CUNSLD	CYPRESS	13,14-4N-9E	64	156	8.7	12	4	9	
3431	UNION OIL CALIF.	FOG RUN CONSLO	AUX VASES MCCLCSKY	17-3N-9E	260	473	8.6	16	21	40	
3434	UNION OIL CALIF.	SUGAR CREEK UNIT	SPAR MTN MCCLCSKY	26,27-4N-9E	258	338	6.2	10	6	11	
4091	UNION OIL CALIF.	CENT JORDAN SCHOOL	AUX VASES MCCLCSKY	1-1N-7E	*		9.5	10	47	47	
4097	UNION OIL CALIF.	DEER CREEK S	CYPRESS MCCLCSKY	11,12-1S-8E	393	491*	2.8	15*	20	89*	
4099	UNION OIL CALIF.	BRADLEY U	AUX VASES	26-1N-7E	70	639	1.6	42	70		
4112	UNION OIL CALIF.	JORDAN SCHOOL U	AUX VASES	27,34,35-2N-7E; 3-1N-7E	1916	21576	40.4	2219	842	11894	
4113	UNION OIL CALIF.	NE JORDAN SCHUUL U	AUX VASES	25,26,35,36-2N-7E	842	12875	20.8	1293	659	7735	
4114	UNION OIL CALIF.	VAN FOSSAN U	MCCLCSKY	10,14,15,22,23,26,27- 1N-8E	479	12470	40.7	688	479	5042	
4131	UNION OIL CALIF.	SE JORDAN SCHOOL U	AUX VASES	2,11-1N-7E	1403	11714	51.9	1391	875	6243	
4135	UNION OIL CALIF.	DEER CREEK UNIT	AUX VASES MCCLCSKY	1,2,10,11-1S-RE	1156	1214	25.8	28	61	67	
4142	UNION OIL CALIF.	ELM RIVER U	AUX VASES MCCLCSKY	30,31-2N-8E	379	3012	30.5	416	250	1707	
4143	UNION OIL CALIF.	FELLER FLUUD CONSLO	AUX VASES	5,6,7,8-1N-8E	862	7299	110.5	1333	560	4311	
*4152	UNION OIL CALIF.	CREECH SCHOOL U	AUX VASES	20,21,28,29-1S-8E	43	2839	2.3	185	70	1579	
4153	UNION OIL CALIF.	SE ENTERPRISE U	AUX VASES	24-1N-8E	112	840	8.3	26	14	77	
4164	UNION OIL CALIF.	E. JORDAN SCHOOL C	AUX VASES MCCLCSKY	1-1N-7E; 6-1N-RE; 35,36-2N-7E	1754	7361*	428.8	1300*	704	1980*	
4176	UNION OIL CALIF.	S JORDAN SCHOOL U	AUX VASES	11,12-1N-7E; 7-1N-8E	1273	4343	276.0	477	220	469	
4177	UNION OIL CALIF.	NE GEFU U	AUX VASES	1,11,12,13-1S-7E	1641	4448	448.9	932	679	952	
4185	UNION OIL CALIF.	ZIF CONSLO	CYPRESS AUX VASES MCCLCSKY	4-14-8E; 33-2N-8E	1128	2757	141.2	274	277	926	
4186	UNION OIL CALIF.	SYCAMORE CONSLO	AUX VASES	22,23-2N-7E	404	1111	49.1	147	145	329	
4187	UNION OIL CALIF.	SOUTH CISE CONSLO	AUX VASES	27,34-1N-7E	108	547	8.7	27	11	150	
4188	UNION OIL CALIF.	N CISE U	AUX VASES	22,27-1N-7E	169	573	18.2	57	123	295	
4179	WATKINS DRILLING	NORTH FIRST STREET	AUX VASES	19-1S-8E	18*	225	4.5*	65	18*	169	
4180	WATKINS DRILLING	WATKINS-WHITLUCK	AUX VASES	7-1S-7E	14*	152	1.2*	45	14*	143	
4151	H. WEINERT EST.	SOUTH BOYLESTON UNIT	AUX VASES	3,4,9,10-2S-7E	368	2214	40.6	192			
4162	H. WEINERT EST.	NORTH BOYLESTON UNIT	AUX VASES MCCLCSKY	34-1S-7E; 3,4-2S-7E	1036	6366	51.0	416			
4192	M. J. WILLIAMS	D.H. GRAY	AUX VASES	21-1S-8E	31	67	2.4	3			
345	ZANETIS OIL PROP	STANFORD 'A'	AUX VASES	4-24-7E	77	82	16.3	18	12	15	
1908	ZANETIS OIL PROP	P. KELLY 3	SPAR MTN	1-54-9E	44	89	2.6	85	22	260	
*1909	ZANETIS OIL PROP	C. HARVEY 2	SPAR MTN	12-5N-9E		457		2			
*1917	ZANETIS OIL PROP	FINES-CCHS 'A' ETAL	SPAR MTN	4,9-54-10E		77		14		27	
1921	ZANETIS OIL PROP	KELLER 'A'-PAYNE HWS.	AUX VASES SPAR MTN	6-54-10E	133	343	17.2	25	37	43	
COIL, WAYNE											
4100	W. C. MCBRIE	YOUNGBLUD U	AUX VASES	19-1S-5E	186	275	51.9	55	17	19	
COIL W, JEFFERSON											
2011	GULF OIL CO	COIL W U	AUX VASES	14,15,22,23-1S-4E		1319		82		749*	
*2012	GULF OIL CO	COIL W U	MCCLCSKY	22-1S-4E		81		*		*	
CONCORD C, WHITE											
4281	ABSHER OIL CO.	CONCORD UNIT	TAR SPRINGS	28-6S-10E	10*	1121	1.4*	248*	10*	291	
*4208	C. E. BREHM	CONCORD N UNIT	AUX VASES	10-6S-10E		637		66			
*4228	GT LAKES CARBON	MCCLCSKY	SPAR MTN MCCLCSKY	28-6S-10E		233		5		44	
*4309	HUMBLE O AND R	CONCORD CO-EP	TAR SPRINGS AUX VASES MCCLCSKY	28-6S-10E	21	1179	1.1	143	11	379	
*4205	BARRON KLOO	KERWIN-CONCORD	AUX VASES	21-6S-10E		342		12		77	
4299	D. R. LEAVELL	CONCORD	TAR SPRINGS	28-6S-10E	*	3964	*	402	*	1910	
4331	C. R. LEAVELL	CONCORD	AUX VASES	28-6S-10E	*	370	*	55	*	289	
4332	C. R. LEAVELL	TULEY	CYPRESS	21,22-6S-10E	*	1276	*	57	*	455	
4358	C. R. LEAVELL	TULEY	AUX VASES	21-6S-10E	*	141*	*	24*	*	66*	
4206	PHILLIPS PET. CO	KERWIN	CYPRESS AUX VASES SPAR MTN MCCLCSKY	21-6S-10E	167	1858	14.1	99	127	545	
4207	PHILLIPS PET. CO	TULEY	CYPRESS AUX VASES MCCLCSKY	21-6S-10E	73	2297	3.2	171	22	1486	
*4229	PHILLIPS PET. CO	DALLAS	SPAR MTN MCCLCSKY	28-6S-10E		247		3		42	
4325	S AND M OIL CO.	N CONCORD U	HARDINSBURG	9,10-6S-10E	1426	5926	40.0	840	1300	4300	
COOKS MILLS C, COLES, DOUGLAS											
522	CHARLES R. GRAY	COMBES ESTATE	SPAR MTN	13,24-14N-7E	*	76*	*	1*	*	*	
802	CHARLES R. GRAY	LOGAN-MORE	SPAR MTN	13-14N-7E	*	61*	*	1*	*	*	
510	KUYKENCALL ORLG.	BRADLEY WF	SPAR MTN	26,27,34,35-14N-7E	196	1868	2.0	54	129	809	
513	KUYKENCALL ORLG.	EASTON WF	SPAR MTN	27-14N-7E	35	556	0.4	12	45	241	
505	S AND M OIL CO.	COOKS MILLS UNIT	SPAR MTN	9,15,16-13N-7E	0	3620	11.0	262		2800	
508	SCHAEFER OIL CO.	COOKS MILLS U	SPAR MTN	18,19,20,30-14N-8E, 13,24,25-14N-7E	360	2013	13.3	110	54*	504*	
CORDOS, WASHINGTON											
4010	MOBIL OIL CORP.	GILL EST., P.KOZUSZEK	BENOIST	26-3S-3W	282	645	35.8*	78*	286	649	
4000	SHELL OIL CO.	CORDOS CUUP	BENOIST	14,15,22,23-3S-3W	1292	20345	86.2	4378	1339*	21449*	
COVINGTON S, WAYNE											
*4120	GENERAL AMERICAN	HEIDINGER-VOGEL	MCCLCSKY	13-2S-6E		51		0		0	

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County		Reservoir statistics (avg. value)					Development as of 12-31-67					Injection water		Remarks
		Depth (ft)	Net pay thick- ness (ft)	Poro- sity (%)	Perme- ability (md)	Oil grav- ity (*API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source	Type	
Inj.	Prod.								SD = Sand	(F) = Fresh				
									GR = Gravel	(B) = Brine				
									PROD = Produced	(M) = Mixed				
Proj. No.														
CLAY CITY C, CLAY, JASPER, RICHLAND, WAYNE														
[CONTINUED]														
3429	2579	15.0	18.0	65		11-64		2	1	100	PENN SO, PROD (B)			
3431	2883	25.0	15.0	75		10-55		1	2	40	CYPRESS, PROD (B)			
	2967	7.0						2	4	160				
3434	2925	5.0				05-66		2	2	460	PENN SC, PROD (B)			
	2950	5.0												
4091	2930	15.0	18.0		41.5	03-68*		6	5	390			*UNKNOWN, OF INJ BEFORE 3-68	
	2990	4.0	15.0					5	6	390			*UNIT EFFECTIVE 8-67	
4097	2725	8.0	15.0	24	39.4	02-50		3	3	240	PENN SO, PROD (B)		* NO DATA PRIOR TO 1965	
	3090	4.0											SWO DATA CARRIED FORWARD	
4099	3013	20.0	22.0	100	39.0	05-60		1	2	60	PRODUCED (B)			
4112	2950	14.0	19.0	73		09-54		25	14	830	PENN SO, PROD (B)			
4113	2950	15.0	19.0	106		01-56		14	12	510	PENN SO, PROD (B)			
4114	3070	10.0	13.0	200		01-54		14	10	1810	PRODUCED (B)			
4131	2930	17.0	19.0	106		11-57		19	19	640	PENN SO, PROD (B)			
4135	2990	3.0				12-66		17	16	974	PENN SO, PROD (B)			
	3090	4.0						3	4	200				
4142	2910	20.0	18.0	87		09-58		7	12	210	PENN SO, PROD (B)			
	3010	10.0						2	2	40				
4143	2950	16.0	16.0	77		09-58		24	22	1044	PENN SO, PROD (B)			
*4152	3186	14.0	19.0	35		01-61	0B-67	6	7	380	PENN SO, PROD (B)			
4153	2992	12.0	19.0	75		05-61		2	2	100	PENN SO, PROD (B)			
4164	2950	15.0	19.0	77		01-63		26	29	1110	PENN SO, PROD (B)		*INCL GROUPED PROJ 4096	
	3030	5.0						8	8	400				
4176	2930	23.0	18.0	75		08-64		19	17	880	PENN SC, PROD (B)			
4177	3075	20.0	18.0	75		09-64		30	30	1127	PENN SO, PROD (B)			
4185	2640	15.0	18.0	75		12-64		1	2	60	PENN SC, PROD (B)			
	2945	15.0						14	19	820				
	3023	5.0						9	10	750				
4186	2930	20.0	19.0	75		11-54		9	10	440	PENN SO, PROD (B)			
4187	3005	25.0	18.0	75		12-64		5	7	400	PENN SC, PROD (B)			
4188	3005	35.0	18.0	75		11-64		8	10	640	PENN SC, PROD (B)			
4179	3146	7.8	18.0	75	37.5	08-58		2	2	80	PUNO, PROD (M)		*ESTIMATED	
4180	3129	11.0	18.0	75	38.0	11-59		1	1	40	PUNO, PROD (M)		*ESTIMATED	
4151	3100	16.0				04-61		4	5	100	PENN SC, PROD (B)			
4162	3094	16.0				02-62		5	8	130	PENN SC (B)			
	3240	10.0						7	18	600				
4192	3141	29.0				11-65		1	2	40	PURCHASED (F)			
345	2950	10.0			37.8	07-64		4	9	130	PRODUCED (B)			
1908	2941	5.0			41.0	11-58		1	1	40	CYP, PROD (B)			
*1909	2954	6.0			40.4	11-58	10-65	1	1	40	CYPRESS, PROD (B)			
*1917	2810	6.0			40.0	08-64	12-66	0	1	60	CYPRESS, PROD (B)			
1921	2760	25.0	15.5	10	39.4	01-66		4	7	110	PENN SC, PROD (B)			
	2855	5.0						2	3	60				
COIL, WAYNE														
4100	2860	13.0	21.0	120		05-66		4	4	80	PENN SC, PROD (B)			
COIL W, JEFFERSON														
*2011	2700	10.0	19.0	160		01-61	10-63	5	4	35	PENN SC, PROD (B)		*INCL 2012	
*2012	2860					01-61	02-63	1	2	30	PENN SO, PROD (B)		*INCL WITH 2011	
CONCORD C, WHITE														
4281	2279	11.0			36.4	09-59		3	2	60	PRODUCED (P)		*EST *INCL PRIM PROD SINCE 9-59	
*4208	2950	12.0	21.1	218	35.1	10-52	10-62	2	2	40	GRAVEL, PENN SC 1M)			
*4228	2980	17.0			37.5	06-53	01-56	3	8	140	GRAVEL BED 1F)			
	3020	5.0												
*4309	2260	10.0	20.9	75	36.0	12-60	12-67	2	3	50	SH SO, PROD (M)			
	2890	11.0	20.9	75				1	1	20				
*4205	3003	16.0				01-55	01-59	1	3	30	SH SAND (F)			
4299	2260	15.0	16.0	175	37.0	08-60		8	8	160	SH SO, PROD (M)		*NO DATA 1967	
4331	2890	21.0	20.0	75	37.5	01-61		3	4	50	SH SC, PROD (M)		*NO DATA 1967	
4332	2600	12.0	16.0	135	36.5	10-61		6	3	130	SH SO, PROD (M)		*NO DATA 1967	
4358	2900	15.0			37.3	03-62		1	1	20	PRODUCED (B)		*1966 EST, NO DATA 1967	
4206	2620	12.0			37.0	07-53		1	0	20	SH SO, PROD (M)			
	2840	13.0						4	5	100				
	2930	4.0						1	0	20				
	3020	9.0						0	2	40				
4207	2620	21.0			37.0	07-51		0	2	20	SH SO, PROD (M)		INJ INTO MCCLSKY ONLY	
	2900	22.0						0	3	30				
	3040	5.0						1	2	100				
*4229	2950	15.0	15.0	50	36.0	08-53	11-57	1	3	40	SH SO, PROD (M)			
	3020	15.0												
4325	2500	12.0	17.5	300	39.0	11-61		9	20	313	GRAVEL, PROD (M)			
COOKS MILLS C, COLES, OOUCLAS														
522	1778	5.0	11.3		37.0	04-63		1	3	60	SH SO (F)		*NO DATA 1965-67, TEMP ABO	
802	1777	12.0	16.0	41		04-63		2	2	40	SH SO, PROD (M)		*NO DATA 1965-67, TEMP ABO	
510	1800	12.0	17.5	195	38.0	04-62		6	6	130	SH SO, PROD (M)		OPERATIONS CURTAILED 8-66	
513	1800	12.0	17.5	195	38.0	04-62		2	1	40	SH SO, PROD (M)		TEMP ABO 9-67	
505	1800	12.0	17.0	250	36.0	01-61		8	24	320	RIVER, PROD (M)			
508	1780	10.0	13.5	160	39.0	11-61		7	13	400	PENN SO (B)		*ESTIMATED	
CORDES, WASHINGTON														
4010	1270	12.0	20.0	250	37.0	09-65		2	13	150	PRODUCED (B)		*INCL PRIM PROD SINCE 9-65	
4000	1230	14.0	20.0	250	37.2	08-50		40	54	640	PENN SO, PROD (B)		*1965, 1966 ESTIMATED	
COVINGTON S, WAYNE														
*4120	3316	4.0				11-57	10-59	1	1	80	CYPRESS, PROD (B)			

*UNKNOWN, OF 1VJ BEFORE 3-68
 *UNIT EFFECTIVE 8-67
 *NO DATA PRIOR TO 1965
 SMO DATA CARRIED FORWARD

*INCL DROPPED PROJ 4096

*ESTIMATED
 *ESTIMATED

*INCL 2012
 *INCL WITH 2011

*EST *INCL PRIM PROD SINCE 9-59
 GRAVEL, PENY SC 1M)
 GRAVEL BED 1F)

*NO DATA 1967
 *NO DATA 1967
 *NO DATA 1967
 *1966 EST, NO DATA 1967

INJ INTO MCCLESKY ONLY

*NO DATA 1965-67, TEMP A80
 *NO DATA 1965-67, TEMP A80
 OPERATIONS CURTAILED 8-66
 TEMP A80 9-67
 *ESTIMATED

*INCL PRIM PROD SINCE 9-65
 *1965, 1966 ESTIMATED

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County		General information			Production and injection statistics (M bbls)						
Project No. * = ABD + = P.M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production		
					Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	
CROSSVILLE W, WHITE											
4404	CONTINENTAL OIL	CROSSVILLE WEST UNIT	AUX VASES SPAR MTN MCCLOSKEY	15,16-4S-10E		360	1024	20.6	39	76	172
DALE C, FRANKLIN, HAMILTON, SALINE											
1309	C. E. BREHM	WESTERCOCK	AUX VASES	1-7S-4E;6-7S-5E		58	855	21.0	100	35	125*
1316	C. E. BREHM	WEST END	AUX VASES	19,20,30-7S-5E;25-7S-4E		1014	3655	91.1	393	120	408*
1513	C. E. BREHM	CANTRELL U	AUX VASES	4,5-7S-5E		207	2783	4.5	337	100	244*
1534	C. E. BREHM	HOGAN U	AUX VASES	16-7S-5E		293	2042	19.1	60	70	276*
1544	C. E. BREHM	P.M. SMITH	AUX VASES	33-6S-5E; 4-7S-5E		334	1582	15.9	175	50	236
1545	C. E. BREHM	RURAL HILL S	AUX VASES	33,34-6S-5E;3,4-7S-5E		269	1358	0.4	10	35	93*
1552	C. E. BREHM	MOORE U	AUX VASES	29,30,32-6S-5E		137	621	3.0	13	90	104
1553	C. E. BREHM	CROW U	AUX VASES	31-6S-5E		156	449	47.3	82	80	101
1556	JOE A. DULL	DALE W HF	AUX VASES	6-7S-5E		85	187	8.6	13	3	6
1564	N. V. DUNCAN	KNIGHT	AUX VASES	9-6S-6E		110*	910	2.5*	26		
*1520	FARRAR OIL CO.	TEOFERC	AUX VASES	26-5S-6E			436		138		
*1525	FARRAR OIL CO.	TEOFERC	BENCIST	26-5S-6E			62		*		*
1547	T. W. GEORGE	CANTRELL S. UNIT	AUX VASES	7,18-7S-5E		268	3009	13.5	506	153	1440
1510	GULF OIL CO	W RURAL HILL U	AUX VASES	11,14,15,22,23-6S-5E			10312		1405		5499*
*1511	GULF OIL CO	W RURAL HILL U	CHARA	11-6S-5E			695		*		*
*1559	GULF OIL CO	M.E. PARKS 'B'	CHARA	34-6S-5E		39	179	0.7	4	9	48
1536	DAVID F. PERLEY	WEST END	AUX VASES	9-7S-5E		323	2122	38.2	273	160*	680*
1528	HUMBLE O AND R	DALE-HOOVERVILLE	AUX VASES	27-5S-6E		685	3540	20.6	179	301	1084
*1529	HUMBLE C AND R	DALE-HOOVERVILLE COOP	BETHEL	27-5S-6E			319		*		*
*1501	INLAND PRODUCERS	N RURAL HILL U	AUX VASES	5,6,7,8-6S-6E			3372		293		1536
1523	E. H. KAUFMAN	N. RURAL HILL U	AUX VASES	11,12-6S-5E		179	1900	5.5	119*	75	1018
1524	E. H. KAUFMAN	S.E. RURAL HILL U	AUX VASES	18,19-6S-6E		207	2238	14.9	239*	207	1158
1549	E. H. KAUFMAN	SW RURAL HILL UNIT	AUX VASES	23-6S-5E		268	1269	23.8	125	130	219
1563	KINGWOOD OIL CO.	CCCD-WILSON U	CYPRESS	6-6S-7E		1602	5043	295.3	656	541	1146
			BETHEL								
1503	O. R. LEAVELL	WEST END UNIT	AUX VASES	17-7S-5E		15*	2281	4.0*	192	15*	1089
			AUX VASES	19,20-7S-5E							
1557	MAC OIL COMPANY	BURNETT WF UNIT	AUX VASES	1-7S-5E		88	404	5.7	29	36	106
*1533	MARATHON OIL CO.	OGLESBY-GRISWOLD	AUX VASES	17-6S-6E			211		2		16
1561	MARATHON OIL CO.	BRILL UNIT	HARDINSBURG	6-6S-7E		1781	5441	181.6	226	385	446
			CYPRESS								
			BETHEL								
1565	MARATHON OIL CO.	M.C. MOORE	AUX VASES	26,34,35-6S-5E		803	1839	41.2	43	62	63
			AUX VASES								
1548	W. C. MCBRIE	BENEFIELD-HUNT	CHARA			379	1116	30.2	75	86	158
			AUX VASES	16,21-6S-7E							
1512	MOBIL OIL CORP.	RURAL HILL	AUX VASES	13,23,25-6S-5E		551	4717	29.6	649	682	3614
			CHARA								
*1502	PHILLIPS PET. CO	CANTRELL U	AUX VASES	5,6,7-7S-5E			1814		161		1116
1514	SHELL OIL CO.	RURAL HILL UNIT	AUX VASES	7,11,12,13,14,18,23,24-6S-5E		4920	56320	141.4	4568	4215	38826
			CHARA								
			MCCLOSKEY								
1537	SHELL OIL CO.	NELLIE PORTER	BETHEL	34-5S-6E		300	2392	7.2	252	317	1680
			AUX VASES								
*1535	JOE SIMPKINS OIL	BARKER	AUX VASES	24-6S-5E		20	543	0.3	74	13	261
1526	SINCLAIR C AND G	J.H. STELLE	AUX VASES	27-5S-6E		160	1463	10.2	102	222	1232
1543	SINCLAIR C AND G	FRIEL	BETHEL	34-5S-6E		251	2829	8.4	250	142	1465
			AUX VASES								
*1507	STEWART OIL CO.	BILL JONES	AUX VASES	8-6S-6E			171		17		4
1516	STEWART OIL CO.	CRADDOCK-ARMES	AUX VASES	19-6S-6E		*	203	0.9	15	9	90
1531	STEWART OIL CO.	WILLIAMS HEIRS COOP	AUX VASES	9,10-6S-6E		0	272	0.0	4	C	130
*1539	STEWART OIL CO.	FLANNICAN U	AUX VASES	28,29-6S-5E		48	722	0.2	14	3	142
*1540	STEWART OIL CO.	LUNGATE U	AUX VASES	28-6S-5E		11	506	0.7	27	8	116
1541	STEWART OIL CO.	BRUMIT L	AUX VASES	6,7-6S-6E		91	453	4.3	181	22	73
1562	STEWART OIL CO.	JONES Z	AUX VASES	18-6S-6E		52	291	1.1	92	37	106
1504	TEXACO, INC.	WEST DALE UNIT	AUX VASES	11-6S-6E		108	6476	5.5	614	79	3334
1508	TEXACO, INC.	HOOO-CAREY UNIT	AUX VASES	3-6S-6E		100	780	*	*	*	*
1509	TEXACO, INC.	HOOO-CAREY UNIT	BETHEL	3-6S-6E		180	1046	14.9*	240*	226*	1720*
1538	TEXACO, INC.	VAUGHAN-BROCKETT CCCC	AUX VASES	17,18-6S-6E		194	1225	6.3	80	173	688
1560	TEXACO, INC.	DALE UNIT	TAR SPRINGS	1,2,11,12,13-6S-6E;5,6,7,8,17,18,19-6S-7E		751	1657	2147.3*	3676*	10661*	13325*
			HARDINSBURG			171	493				
			CYPRESS			2265	4795				
			BENCIST			4285	9537				
			AUX VASES			8816	19967				
1542	UNION OIL CALIF.	DALE COOP	HARDINSBURG	36-5S-6E;31-5S-7E, 6,7-6S-7E		3176	9231	412.0	992	1101	3509
			CYPRESS								
			BETHEL								
			AUX VASES								
DEERING CITY, FRANKLIN											
1319	FARRAR OIL CO.	PEABODY COAL	AUX VASES	9-7S-3E		+	95	+	56*	+	95
DIVIOE C, JEFFERSON											
*2002	GULF OIL CO	W.O. HOLLOWAY	MCCLOSKEY	21-1S-4E			2707		185		2294
2021	TEXACO, INC.	WEST DIVIOE UNIT	MCCLOSKEY	13,14,15,22,23,26-1S-3E		2396	5621	167.0*	4411*	1844*	3155*
2022	TEXACO, INC.	WEST DIVIOE UNIT	SPAR MTN	13,14,22,23-1S-2C		264	1302	*	*	*	*
DUBOIS C, WASHINGTON											
4007	N. A. BALDRIDGE	KAMINSKI	CYPRESS	7,8,17-3S-1W		11*	22*	1.8*	28**	11*	55*
*4003	HARRY MABRY	PEEK	CYPRESS	20-3S-1W			68		16		5
4006	H. F. ROBISON	KLAYECR	CYPRESS	17-3S-1W		*	87*	*	7*	*	87*
EOINBURG W, CHRISTIAN, SANGAMON											
103	SKILES OIL CORP.	EOINBURG W U	SILURIAN	8,16,17-14N-3W		48	800	12.5*	79*	48	432

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67				Injection water			Remarks	
	Proj. No.	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source SD = Sand GR = Gravel PROD = Produced SH = Shallow		Type (F) = Fresh (B) = Brine (M) = Mixed
									Inj.	Prod.				
CROSSVILLE W., WHITE														
4404	3010	16.0					C3-65		2	5	80	PRODUCED (B)		
	3190	6.0							1	1	30			
	3110	4.0							1	4	140			
DALE C., FRANKLIN, HAMILTON, SALINE														
1309	3230	8.0	17.0	150	38.0		08-59		3	4	80	PENN SD, PROD (B)	*EST, 1965-67 DATA ONLY	
1316	3140	20.0	17.0	150	38.0		06-63		7	36	420	PENN SD, PROD (B)	*EST, 1965-67 DATA ONLY	
1513	3150	15.0	17.0	150	39.0		01-59		4	2	120	CYPRESS, PROD (B)	*1965-67 DATA ONLY	
1534	3300	11.3	17.0	150	38.0		06-52		2	10	130	PENN SD, PROD (B)	*EST 1965-67 DATA ONLY	
1544	3150	22.0	17.0	200	38.0		03-63		3	14	170	PENN SD, PROD (B)		
1545	3250	22.0	17.0	200	38.0		04-63		5	9	150	PENN SD, PROD (B)	*1965-65 ESTIMATED	
1552	3250	14.0			37.0		04-65		3	7	110	PENN SD, PROD (B)		
1553	3250	14.0			37.0		04-65		2	6	70	PENN SD, PROD (B)		
1556	3262	10.0	18.0	85	38.0		12-65		1	3	80	PENN SD, PROD (B)		
1564	3064	30.0					09-61		2	4	60	PRODUCED (B)	*ESTIMATED 1967	
*1520	3050	20.0					07-61	12-66	2	1	40	PURCHASED (B)		
*1525	2957	15.0					07-61	07-63	1	2	30	PURCHASED (B)	*INCL WITH 1520	
1547	3125	20.0	20.5	122	39.4		09-60		6	6	220	PENN SD, PROD (B)		
*1510	3100	21.0	19.1	96	37.0		06-59	05-64	24	21	140	CYPRESS, PROD (B)	*INCL 1511	
*1511	3173	19.0			40.4		06-59	05-64	2	1	20	PROD (B)	*INCL WITH 1510	
*1559	3350	14.0	15.0	35	38.0		08-65	05-67	2	4	60	SH SD (F)		
1536	3250	18.0	20.0	340	40.0		12-62		7	4	120	PENN SD, PROD (B)	*ESTIMATED	
1528	3050	13.0	20.0	116	37.0		07-61		7	16	120	PALESTINE, PROD (B)		
*1529	2950	11.0	14.8	117	37.0		07-61	07-64	4	2	60	PENN SD, PROD (B)	*INCL WITH 1528	
*1501	3125	14.7	23.9		39.0		02-52	04-59	7	6	310	CYPRESS (B)		
1523	3150	15.0			38.0		01-61		5	5	140	CYPRESS, PROD (B)	*INCL PRIM PROD SINCE 1-61	
1524	3190	20.0			38.0		09-61		4	9	140	CYPRESS, PROD (B)	*INCL PRIM PROD SINCE 9-61	
1549	3120	15.0			39.0		12-63		6	4	110	PENN SD, PROD (B)		
1563	2710	20.0			37.0		01-65		5	5	200	HARDINSBURG, PROD (B)		
	2875	15.0							5	5	200			
	2950	20.0							5	5	200			
1503	3150	15.0	18.0	75	37.0		01-56		1	4	65	PRODUCED (B)	*ESTIMATED 1966-67	
1557	3215	20.0	16.0	65	38.0		03-62		1	3	40	PENN SD, PROD (B)		
*1533	3250	16.0	18.0	80			06-62	12-66	1	1	10	PENN SD, PROD (B)		
1561	2750	4.0					01-65		1	1	10	CYPRESS, PROD (B)		
	3000	20.0							4	4	130			
	3130	20.0							4	4	130			
	3210	15.0							4	4	130			
1565	3315	15.0	18.0	100			05-65		3	9	200	CYPRESS WSK, PROD (B)		
	3350	10.0	14.0	40					1	1	40			
1548	3080	15.0	17.0	78			11-63		10	13	190	SH SD, PENN SD, PROD (B)		
1512	3108	17.5	19.1	97	38.0		05-59		11	11	211	PURCHASED, PROD (B)		
	3192	8.5							1	4	50			
*1502	2200	15.0	18.0	75	38.0		08-55	10-62	3	5	50	PENN, PROD (B)		
1514	3120	20.9	19.0	96	39.4		09-58		74	53	1890	HARD, CYP, PROD (B)		
	3195	10.1	15.0	73					17	27	794			
	3300	12.4	17.0	75					9	13	340			
1537	2900	20.0	16.6	50	38.3		08-62		4	4	80	PRODUCED (B)		
	3050	10.0	18.0						4	4	80			
*1535	3120	21.0	19.1	97	38.0		11-62	03-67	2	2	40	GRAVEL BED (F)		
1526	3034	11.0	14.0	120			08-61		2	2	60	PALESTINE, PROD (B)		
1543	2740	23.0	15.0	150	39.5		09-62		1	3	130	PALESTINE, PROD (B)		
	3050	16.0	17.0	100					2	3	130			
*1507	3088	22.0					08-58	07-61	1	2	40	CYPRESS (B)		
1516	3120	20.0	12.0	90	37.0		09-60		1	1	30	PURCHASED (B)	*TEMP ABD	
*1531	3090	20.0	12.0	90	37.0		07-61	12-65	5	5	110	MCCLUSKEY (B)	*INJ ILLMP SUSPENDED 2-65	
*1539	3240	20.0	12.0	90	37.0		09-62	06-67	2	4	80	PENN SD, PROD (B)		
*1540	3244	20.0	12.0	90	37.0		12-62	06-67	2	4	60	PENN SD, PROD (B)		
1541	3180	20.0	12.0	90	37.0		10-59		1	4	50	CYPRESS SD, PROD (B)		
1562	3166	20.0	12.0	90	37.0		11-62		1	2	40	PURCHASED (B)		
1504	3050	14.0	17.0	125	38.0		07-51		3	6	295	PENN SD, PROD (B)		
1508	3050	26.0	19.0	109	37.0		06-55		3	3	140	HARDINSBURG, PROD (B)	*INCL WITH 1509	
1509	2950	26.0	17.5	126	37.0		06-58		3	3	140	HARDINSBURG, PROD (B)	*INCL 1508	
1538	3150	18.0	21.4	149	38.8		03-62		3	6	140	PENN SD, PROD (B)		
1560	2400	18.5	18.0	52	36.0		07-55		6	6	497	PENN SD, PROD (B)	*INCL ALL PAYS	
	2475	8.5					01-55		3	3	328			
	2680	13.3	15.3	109	36.0		01-65		32	57	2339			
	2900	18.0	13.0	22	36.0		01-65		68	82	3040			
	2980	16.5	17.2	66	37.0		01-65		64	84	3192			
1542	2500	16.0	18.0	150			06-63		3	4	70	PENN SD, PROD (B)		
	2700	15.0							11	14	260			
	2920	22.0							12	15	444			
	3020	25.0							8	10	200			
DEERING CITY, FRANKLIN														
1319	2800	15.0			38.2		07-61		1	4	50	PRODUCED (B)	*INCL PRIM PROD +NO DATA 1967	
DIVIDE C., JEFFERSON														
*2002	2805	6.9	18.0		26.6		05-55	09-65	1	5	60	PRODUCED (B)		
2021	2750	13.0	13.8	1033	37.0		11-64		13	29	1245	PENN SD, PROD (B)	*INCL 2022	
2022	2710	6.0	13.0	67	37.0		11-64		3	31	1245	PENN SD, PROD (B)	*INCL WITH 2021	
DUBOIS C., WASHINGTON														
4007	1250	9.5					01-63		1	4	80	PRODUCED (B)	*EST +INCL PRIM PROD SINCE 1962	
*4003	1232	12.0			37.0		12-59	08-64	1	2	40	TAR SPRINGS, PROD (B)		
4006	1250	10.0			37.0		10-61		2	8	40	BENOIST, PROD (B)	*NO DATA 1966-67, 1965 EST	
EDINBURG W., CHRISTIAN, SANCAMDN														
103	1700	15.0			38.0		11-61		1	16	30	PRODUCED (B)	*INCL PRIM PROD SINCE 10-54	

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Operator	General information			Production and injection statistics (M bbls)					
		Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
Project No. * = ABD + = P.M.					Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
ELDORADO C, SALINE										
3612	ASHLAND O AND R	VICTOR SUTTNER C	AUX VASES	7-8S-7E	49	180	7.1	10		
3614	BUFAY OIL CO	SPRICH-LORCH	WALTERSBURG	35-8S-6E	35	107	1.2	23		
*3603	FRANK KING	ENDICOTT U	WALTERSBURG	2-8S-7E		221		21		42
3608	W. C. MCBRIDE	WALT. ELDORADO NE U	WALTERSBURG	10,11,15-8S-7E	2305	10525	321.3	718*	1155	1851
3609	W. C. MCBRIDE	CYP. ELDORADO NE UNIT	CYPRESS	10,15-8S-7E	66	593	3.6*	56*	9	120
3610	R. W. PORTIS	SOUTHWEST U	WALT	20,21-8S-7E	566	3888	211.5	323	173	432
3611	R. W. FORTIS	CENTRAL U	WALT	15,16,21-8S-7E	1990	7310	250.7	791	656	1382
ELDORADO E, SALINE										
*3607	G. L. REASOR OIL	PORTER	AUX VASES	23-8S-7E		373		35		41
ELLERY E, EDWARDS										
*1007	T E CROSLLEY	ELLERY EAST UNIT	AUX VASES	27,34-2S-10E	*	1639**	*	433**	*	887**
*1019	T E CROSLLEY	ELLERY E U	OHARA	27,34-2S-10E	*	1673*	*	**	*	**
ELLIOTTSTOWN N, EFFINGHAM										
1101	VIRGIL STREETER	N ELLIOTTSTOWN	MCCLOSKEY	17,20-7N-7E	101	101	28.1	28	10	10
ENFIELD, WHITE										
4209	RICHARD ELSIE	S ENFIELD U 2	MCCLOSKEY	28,29,32-5S-8E	*	1127	*	92	*	845
4264	RICHARD ELSIE	S ENFIELD U 1	AUX VASES	28,29,32-5S-8E	119*	2288	3.7*	360*	119*	519
4292	RICHARD ELSIE	S ENFIELD U 3	OHARA	28,29,32-5S-8E		363		99		259
EXCHANGE E, MARION										
2630	FARRAR OIL CO.	EXCHANGE EAST UNIT	SPAR MTN MCCLOSKEY	29-1N-4E	68	118	14.7	21	28	37
EXCHANGE W, MARION										
2628	NAPCC	CHARLETON FLOOD	SPAR MTN	4-1N-3E	52	57	24.3	49*	24	33*
FAIRMAN, CLINTON, MARION										
413	OMER H. DOOLE	DUCOMB-KREITLER	BENDIST	13,24-3N-1W	50*	1378*	1.2*	246*	50	1378
FLORA S, CLAY										
* 331	GENERAL AMERICAN	GIVEN-MCGREW U	MCCLOSKEY	4-2N-6E		70		4*		7
FRIENDSVILLE N, WABASH										
3998	DAYTON LOEFFLER	FRIENDSVILLE NORTH U	BIEHL	12-1N-13W	40	172	13.8	80	8	29
3945	MOBIL OIL CORP.	LITHELAND	BIEHL	1,2-1N-13W		623		142		282
*3953	J. W. SANDERS	FRIENDSVILLE N U	BIEHL	1-1N-13W		*		7		*
GERMANTOWN E, CLINTON										
+ 406	HERMAN GRAHAM	GERMANTOWN	SILURIAN	36-2N-4W; 1-1N-4W	170*	2713*	31.9*	1057*	170*	2763*
GILA, JASPER										
1916	S AND M OIL CO.	GILA	SPAR MTN	28,32,33-8N-9E	350	2444	44.0	400	300	1400
GOLDENGATE C, EDWARDS, WAYNE, WHITE										
4412	AMERICAN PUMP	POLLARD UNIT	AUX VASES	21,22,27,28-3S-9E	144*	1061	10.1*	77	140*	592
4189	M. H. CALOWELL	GOLDENGATE EAST UNIT	BETHEL	26-2S-9E	30*	170*	5.3*	12*	10*	34*
4123	CITIES SERVICE	GOLDENGATE UNIT	AUX VASES		40					
			AUX VASES	32,33-2S-9E	48	151	9.4	22	2	3
			OHARA		63*	1224*	12.6*	142*	45*	461*
			SPAR MTN							
*4124	CITIES SERVICE	KLETZKER U	AUX VASES	4-3S-9E		102		1		10
*4128	CITIES SERVICE	GOLDENGATE U	MCCLOSKEY	28,32,33-2S-9E		926		7		281
4155	CULLUM OIL CO.	PETTIGREW-PIERCY UNIT	AUX VASES	24-2S-9E	30*	207	1.8*	11	20*	82*
4154	ALVA C. DAVIS	BUNNAGE-WOODS UNIT	AUX VASES	13,24-2S-9E	100*	543*	11.7*	84*	20*	51*
*4145	N. V. DUNCAN	SCOTTSVILLE	BETHEL	23,26-2S-9E		751		254		
*4374	GULF OIL CO	GOLDENGATE UNIT	AUX VASES	34,35-3S-9E; 3-4S-9E	55	7279	6.0	656	66	3689
			SPAR MTN							
			MCCLOSKEY							
*1027	ILL. LSE. OP.	CHALCRAFT-HORN	AUX VASES	20-1S-10E		79		14		5
4083	ILL. MIO-CONT.	S ELLERY U	SPAR MTN	24,25-2S-9E	308	548	7.4	23	73	127
			MCCLOSKEY	19,30-2S-10E						
4139	T. G. JENKINS	PONO CREEK WF UNIT	AUX VASES	29,30,31,32-2S-9E	745	5302	40.7	457	216	1003
*4378	MARCH ORLG. CO.	GOLDENGATE	AUX VASES	3-4S-9E		109		27		107
*4138	SKILES OIL CORP.	O'DANIEL U	BETHEL	26-2S-9E		215		26		24
4148	TAMARACK PET.	W. ELLERY	AUX VASES	15,22,23,27-2S-9E	51	311	59.4*	329*	159*	578*
			OHARA		423	1753				
			SPAR MTN		9	249				
*4377	TEXACO, INC.	J. HANCOCK COOP	AUX VASES	21-3S-9E		680		25		275
HALF MOON, WAYNE										
4168	COLLINS BROS.	HALF MOON UNIT	MCCLOSKEY	28-1S-9E	420*	3317	12.7*	128	144*	1204
4160	SKILES OIL CORP.	HALF MOON U	OHARA	26,34,35-1S-9E	722	3335	79	254	198	882
HARCO, SALINE										
3613	LOBREE CORP.	HARCO WEST POOL UNIT	AUX VASES	29-8S-5E	140	249	6.0	15	1	1
3600	PHILLIPS PET. CO	NOBLE 'A'	AUX VASES	16-8S-5E	24	253	1.7	33	1	9
HARCO E, SALINE										
*3601	SUN OIL CO.	HARCO WF UNIT	CYPRESS	25-8S-5E		84		3		37
*3602	SUN OIL CO.	HARCO WGPU	AUX VASES	24,25,26-8S-5E		334		30		112

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67				Injection water		Remarks		
	Proj. No.	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (°API)	Date first inj.	Date subd.	No. of wells		Acres under inj.		Source	Type
									Inj.	Prod.			SD = Sand GR = Gravel PROD = Produced SH = Shallow	(F) = Fresh (B) = Brine (M) = Mixed
ELDRADO C, SALINE														
	3612	2922	8.0			35.4	09-63		1	2	40	PENN SD (B)		S.O. 4-65, REACTIVATED 7-66
	3614	2050	11.0	15.0	150	38.0	09-64		1	1	10	PALESTINE SD (B)		
	*3603	2090	7.0	13.0	100		04-59	10-63	1	4	60	PENN SD (B)		
	3608	2200	22.0	19.0	200	38.0	08-63		15	25	415	PENN SD, PROD (B)		
	3609	2560	12.0	18.0	80	38.0	12-62		2	3	90	PENN SD, PROD (B)		
	3610	2130	16.0	17.0	225	38.0	05-63		5	8	200	PENN SD, PROD (B)		
	3611	2150	20.0	17.0	225	38.0	05-63		14	22	400	PENN SD, PROD (B)		*SINCE 11-62 *SOME WALT OIL AFTER 2-66
ELDORADO E, SALINE														
	*3607	2900	7.0			37.0	01-61	12-65	5	6	150	PALESTINE SAND (B)		
ELLERY E, EDWARDS														
	*1007	3170	10.0	17.7	26		12-57	06-67	3	3	70	SH SD, PROD (M)		*NO DATA 1966-67 + INCL 1019
	*1019	3240	6.0				12-57	06-67	1	3	300	SH SD (F)		*NO DATA 1966-67 + INCL WITH 1007
ELLIOTSTOWN N, EFFINGHAM														
	1101	2700	6.0				12-66		1	8	100	TAR SPR, PROD (B)		
ENFIELD, WHITE														
	4209	2945	4.6			36.6	10-56		2	1	80	SH SD, PROD (M)	(M)	*NO DATA 1967
	4264	2810	8.4	21.5	142	36.0	02-54		3	3	220	PRODUCED (B)		*NO DATA 1967 + INCL PRIM PROD
	*4292	2874	5.0			37.5	08-56	10-65	1	1	80	PROD (B)		*INCL PRIM PROD SINCE 8-56
EXCHANGE E, MARION														
	2630	2775	10.0				05-66		1	2	60	CYPRESS		
		2850	5.0						1	3	80			
EXCHANGE W, MARION														
	2628	2572	12.0				11-66		1	6	60	PRODUCED (B)		*OPERATOR ADJ
FAIRMAN, CLINTON, MARION														
	413	1450	8.0	21.0	357	38.0	03-59		1	4	50	PRODUCED (B)		*1964-67 ESTIMATED
FLORA S, CLAY														
	* 331	2992	12.0				10-59	05-61	1	1	40	SH SD, PROD (M)		*ESTIMATED
FRIENOSVILLE N, WABASH														
	3998	1650	10.0	15.0	35	33.0	05-62		3	4	60	SH SD (F)		*INCLUDES PRIMARY SINCE 7-47 *DUMP FLOOD NA
	*3945	1620	12.5	16.0	81	35.6	07-47	09-57	2	3	26	SHALLOW SAND (F)		
	*3953	1631	10.0			36.6	08-57	12-61	1	2	40	SH SAND (F)		
GERMANTOWN E, CLINTON														
	+ 406	2300	60.0			39.4	09-56		2*	13*	300	PRODUCED (B)		*ESTIMATED 1962-67
GILA, JASPER														
	1916	2835	6.9	12.5	276	39.0	09-63		4	17	437	GRAVEL, PROD (M)		
GOLDENGATE C, EDWARDS, WAYNE, WHITE														
	4412	3250	12.5	21.0	100	37.4	01-63		5	6	170	PENN SD, PROD (B)		*ESTIMATED
	4189	3080	10.0			39.0	07-65		1	4	60	PENN SD (B)		*1967 ESTIMATED
		3206	17.0											
	4123	3200	12.0	16.0	100	38.0	09-65		3	2	40	GRAVEL BED (E)		*INCL OHARA, SPAR MTN
		3260	9.0	15.0	30	36.0	08-56		4	4	70			
		3275	6.0	15.0	30				1	2	30			
	*4124	3242	10.0	15.0	10		08-56	10-58	1	2	30	CYPRESS, PROD (B)		
	*4128	3308	8.0			34.0	10-53	07-57	2	8	159	GRAVEL BED (F)		
	4155	3270	11.0			39.5	11-62		2	4	60	PENN SD, PROD (B)		*ESTIMATED
	4154	3250	14.0			39.3	05-62		4	4	80	PENN SD, PROD (B)		*ESTIMATED 1966-67
	*4145	3100	9.0			39.8	01-59	01-64	8	7	130	SH SD, PROD (M)		
	*4374	3300	15.0	18.0	101	38.9	03-63	04-67	18	14	490	PENN SD, PROD (M)		
		3400	12.0	13.0	184				18	12	490			
		3458	10.0	10.0	102				18	12	490			
	*1027	3222	8.0	22.3			12-62	04-65	1	3	40	PENN SD (B)		
	4083	3370	7.0	12.5	55	39.5	01-66		2	4	140	PENN SD, PROD (B)		
		3395	6.5	12.5	250				2	4	140			
	4139	3220	20.0	15.0	150	38.5	05-60		9	13	600	SH SD, PROD (M)		
	*4378	3310	21.0	18.5	51	39.5	05-63	12-65	1	1	20	PENN SD, PROD (B)		
	*4138	3097	10.0			37.0	01-59	06-63	2	2	40	SH SD, PROD (M)		
	4148	3230	12.0			39.5	07-61		3	3	80	SH GRAVEL (F)		*INCL ORUPPEO PRDJ 4149, 4150
									5	9	400			
									1	2	60			
	*4377	3240	15.0				01-63	12-66	2	2	40	PENN SD, PROD (B)		
HALF MCON, WAYNE														
	4168	3300	10.0			40.4	12-62		6	9	470	GRAVEL BED, PROD (M)		*ESTIMATED
	4160	3280	10.0	11.0	124	40.0	01-62		9	18	600	SH SD (F)		
HARCO, SALINE														
	3613	2900	5.2	17.8	39	40.0	10-65		2	3	70	CYPRESS, PROD (B)		
	3600	2890	12.0	22.0	100	38.5	06-57		1	2	10	PRODUCED (B)		
HARCO E, SALINE														
	*3601	2550	9.0				07-59	08-61	1	2	30	PENN SD, PROD (B)		
	*3602	2850	8.0				07-59	09-62	2	9	80	PENN SD, PROD (B)		

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	General information				Production and injection statistics (M bbls)					
	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
					Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
HARRISBURG, SALINE										
3606	W. C. MCBRIDE	HARRISBURG NORTH	WALTERSBURG	34-8S-6E	157	1430	2.4	14	18	125
HERALD C, GALLATIN, WHITE										
1419	ASHLAND O AND R	SOUTH NEW HAVEN UNIT	TAR SPRINGS	29,30-7S-10E	190	1195	16.2	205	90	512
4211	ATLAS DRILLING	ACKERMAN UNIT	AUX VASES	4-7S-10F	30*	367*	1.7*	57*		
	C. E. BREHM	HERALD W. U.	WALTERSBURG	28,33-6S-9E	282	1796	62.0	494	200	312
*4304	C. E. BREHM	NEW HAVEN U	AUX VASES	18-7S-10E		88		19		
1430	CITIES SERVICE	HERALD E U	AUX VASES	24-7S-9E	179	810	30.3	63	29	74
1405	CONTINENTAL OIL	COTTONWOOD N U	CYPRESS	21,28-7S-8E	187	5335	21.2	1027*	143	1942
1431	CONTINENTAL OIL	COTTONWOOD TAR SPR	TAR SPRINGS	6-7S-9E	1*	179	1.4	28	7	41
4355	HUMBLE O AND R	HERALD U	CYPRESS	27,33,34-6S-9E, 4-7S-9E	618	3450	62.0	569	295	1125
4340	IND. FARM BUR.	NEW HAVEN WF	AUX VASES	17,18-7S-10E	17	786	4.3	79	1	14*
1433	FRANK KING	GLOVER	AUX VASES	24-7S-9E	38*	139*	5.7*	16*	10*	21*
4360	KINGWOOD OIL CO.	BAYLEY U	DAGLEY	11-7S-9E	682	3057	32.0	161	325	1506
			CLORE							
			TAR SPRINGS							
			CYPRESS							
			AUX VASES							
4365	KINGWOOD OIL CO.	HERALD COOP	AUX VASES	10-7S-9E	168	882	9.1	98	154	397
*4359	LIVINGSTON OIL	CALVERT 'A'	AUX VASES	4-7S-10E		31		0		0
*4212	C. B. MITCHELL	BAYLEY U	CYPRESS	2-7S-9E		491		21		35
4382	BERNARD PODOLSKY	BAYLEY UNIT	WALTERSBURG	13-7S-9E	141	682	30.9	159	90	215
				24-7S-9E						
4383	BERNARD PODOLSKY	GRANT AUX VASES UNIT	AUX VASES	13-7S-9E	53	220	4.5	11	13	50
4389	BERNARD PODOLSKY	CLARK UNIT	AUX VASES	4,5,8,9-7S-10E	133	377	8.0	23	12	26
4348	SHAKESPEARE OIL	GUESTELL COOP	DAGLEY	11-7S-9E	33	209	7.6	74*	14	33
*4364	TAMARACK PET.	HERALD U	PENN	34-6S-9E; 2-7S-9E		343		17		17
HICKORY HILL, MARION										
2625	NAPCO	HALFACRE	BENOIST	27-1N-4E	15	37	3.3	12	15	56
HILL E, EFFINGHAM										
*1105	WICHITA RIVER	HILL EAST UNIT	CYPRESS	11,12,13,14-6N-6E		3185		154		1100
HORD, CLAY										
351	JET OIL CO.	CONNERLY C	AUX VASES SPAR MTN	14-5N-6E	17	44	1.1	2	3	30
HORO S C, CLAY										
332	SHIRK, WEBSTER	SCUTH HORO UNIT	SPAR MTN	26,27,34,35-5N-6E	881	6959	25.6	713	839	5036
337	SHIRK, WEBSTER	ZINK UNIT	SPAR MTN	26,35-5N-6E	104	1163	8.7	49	43	258
INA, JEFFERSON										
2008	KEWANEE OIL CO.	JEFF-KARBER-THREL R	RENAULT McCLOSKEY	23-4S-2E	391	3038	18.1	224	365	2150
INGRAHAM, CLAY										
* 320	HUMBLE O AND R	INGRAHAM U	SPAR MTN	4,9-4N-8E		2568		910		1543
INMAN E C, GALLATIN										
1436	AUTUMN OIL CO	EGLI	TAR SPRINGS CYPRESS	20,21,28,29-7S-10E	133 205	409 451	40.5	178*	112	295*
1422	CRAWFORD PROD	BLACK	WALTERSBURG	2-8S-10E	36*	682*	2.5*	115*	36*	186*
1409	FARRAR OIL CO.	E INMAN	TAR SPRINGS	33,34-7S-10E; 2,3,10- 8S-10E		24228		3550*		
			CYPRESS							
*1406	HUMBLE O AND R	BIG BARN	CYPRESS	11-8S-10E		226		83		27
1407	HUMBLE O AND R	KERWIN-CRAWFORD	OEGONIA	11,14-8S-10E	399	10697	48.4	1973	247	4076
			CLORE INE							
			PALESTINE							
			WALTERSBURG							
			TAR SPRINGS							
			CYPRESS							
			McCLOSKEY							
1408	HUMBLE O AND R	WEST UNIT	PALESTINE	15-8S-10E	2593	22335	80.7	3135	778	6782
			WALTERSBURG							
			TAR SPRINGS							
			HARDINSBURG							
			CYPRESS							
1411	HUMBLE O AND R	J A WILLIAMS	TAR SPRINGS	27-7S-10E	34	47	3.7	5	34	47
1429	HUMBLE C AND R	SOUTH INMAN UNIT	WALTERSBURG	21,22-8S-10E	367	1716	20.7	99	234	870
			CYPRESS							
*1420	JOE SIMPKINS OIL	HAVEN	AUX VASES	28,32-7S-10E		182		2		
1426	E. G. WELKER	EGYPTIAN TIE, TIMBER	WALTERSBURG	21-8S-10E	60*	515*	8.0*	61**	30*	149*
			HARDINSBURG							
			CYPRESS							
INMAN W C, GALLATIN										
1410	ASHLAND O AND R	RISTER-MOYE U	TAR SPRINGS	15-8S-9E	84	260	1.2	*	8	
			CYPRESS							
1440	ASHLAND O AND R	WEST INMAN U*	TAR SPRINGS	11-8S-9E	41	139	14.5	18	16	33
			HARDINSBURG							
			CYPRESS							
1428	K. E. BUSH	HISH-STRAUB UNIT	BIEHL	21-8S-9E	*	32*	*	19*	*	42*
1424	FARRAR OIL CO.	ORONE-RIOER-MINER	CYPRESS	27-8S-9E	101	125	2.6	3	2	2
1400	T. A. FERRALL	GCEBEL-MC GUIRE-RIOER	AUX VASES	19-8S-10E		*		46*		*
1401	V. R. GALLAGHER	BRADELEY UNIT	BIFHL	17-8S-9E	8	494	2.0	152	8	198
1402	GULF OIL CO	INMAN W U	CYPRESS	15,16-8S-9E		2890		425*		499*
*1403	GULF OIL CO	INMAN W U	TAR SPRINGS	15,16-8S-9E		*		*		*
*1404	PHILLIPS PET. CO	LEVERT	CYPRESS	3-8S-9E		8		0		0

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil grav- ity (*API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source		Type
								Inj.	Prod.		SD = Sand GR = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
Proj. No.													
HARRISBURG, SALINE													
3606	2020	10.0	18.0	140	38.4	C7-58		3	5	80	PENN SO, PROD (B)		
HERALD C, GALLATIN, WHITE													
1419	2150	14.0	16.5	400	35.8	12-61		2	2	92	GRAV BEG, PROD (M)		
4211	2890	23.0				02-56		1	2	30	GRAVEL BEG (F)	*ESTIMATED 1965-67	
4210	7325	20.0	20.0	50	37.0	01-55		7	12	200	PENN SO (B)	*INCL PRIM PROD SINCE 1-55	
*4304	2900	15.0	15.0	100	38.0	02-60	12-65	3	3	80	RIVER (F)		
1430	2900	10.0	17.0	150	38.0	08-63		9	3	135	PALESTINE, PROD (B)		
1405	2650	12.0	15.0	80		12-57		7	14	400	CLORE, PROD (B)	*INCL PRIM PROD SINCE 12-57	
1431	2260	15.0	12.0	30	37.8	10-63		0	1	40	CLORE, PROD (B)	*INJ TEMP SUSPENDED 4-67	
4355	2675	11.4	16.2	52	38.0	06-62		20	20	420	PENN SO, PROD (B)		
4340	2870	7.0	14.0	10	35.3	C2-60		4	3	250	SH SO, PROD (M)	*EST SINCE 1-62	
1433	2900	8.0	12.0	37	38.0	11-63		1	3	40	PENN SO, PROD (B)	*ESTIMATED, NO DATA 1965-67	
4360	1550	15.0	14.0	50		01-62		1	1	20	PENN SO, PROD (B)		
	2050	15.0						3	6	90			
	2280	10.0						4	5	90			
	2630	22.0						2	2	40			
	2880	14.0						7	9	190			
4365	2900	13.0	18.2	100	37.0	05-62		3	4	70	PENN SO, PROD (B)		
*4359	2920	12.0			36.8	05-62	07-64	1	1	20	SHALLOW WELL (F)		
*4212	2715	15.0	14.9	58	39.0	09-57	08-62	2	2	60	PALESTINE (B)		
4382	2300	8.9	20.0	200	38.5	01-63		1	3	60	PAL SO, PROD (B)		
4383	2930	9.7	19.0	100	34.8	08-63		2	4	100	PAL SO, PROD (B)		
4389	2890	8.0	18.0	75	36.0	10-64		6	10	155	RIVER GR, PROD (M)		
4348	1425	13.0	19.0	46	33.5	01-62		1	3	59	PENN SO, PROD (B)	*INCL PRIM PROD SINCE 1-62	
*4364	1550	8.0	15.1	15		01-62	12-64	3	3	120	PENN SO, PROD (B)		
HICKORY HILL, MARION													
2625	2640	10.0			36.0	10-65		1	1	20	PRODUCED (B)		
HILL E, EFFINGHAM													
*1105	2460	13.0	18.0	100	40.0	12-59	12-64	3	15	150	SHALLOW SO, PROD (M)		
HORO, CLAY													
351	2710	15.0				10-65		1	2	20	PRODUCED (B)		
	2780	10.0											
HORO S C, CLAY													
332	2790	8.6	15.0	862	36.1	09-58		3	11	290	RIVER, PROD (M)		
337	2790	5.2	15.8	835	38.0	08-62		6	3	250	RIVER, PROD (M)		
INA, JEFFERSON													
2008	2640	10.0	22.0	96	37.0	12-60		3	3	120	PENN SO, PROD (B)		
	2770	8.0	13.0	25				4	3	140			
INGRAHAM, CLAY													
* 320	3000	5.1	14.2	2450	38.0	12-56	12-60	9	17	297	PENN SO, PROD (B)		
INMAN E C, GALLATIN													
1436	2175	12.0	18.5	325	36.8	04-64		2	10	110	SH SO, PROD (M)	*INCL RUTH PAYS	
	2499	21.0	16.5	212				3	9	130			
1422	1975	15.0			37.0	01-59		1	3	50	PRODUCED (B)	*ESTIMATED, 1965-67 ONLY	
1409	2150	14.0	17.5	150	37.7	03-54	12-64	33	35*	700*	GRAVEL BEG (F)	*INCL 1410, 1411, 1423, 1424, 1425	
	2440	10.0	16.8	50	38.0			23*	24*	500*			
*1406	2400	5.9	16.5	58	38.0	04-54	12-66	3	1	30	SH. SL., PROD (M)	* INJ SUSPENDED 7-1-65	
1407	1700	7.5	18.0	100	37.5	06-55		2	3	50	SH SO, PROD (M)		
	1730	7.5						5	4	100			
	1830	8.5			37.2			6	8	140			
	1930	13.5			36.8			10	14	200			
	2030	17.0						17	20	340			
	2380	21.8			34.4			12	15	240			
								1	4	40			
1408	1750	10.0	19.0	200	36.5	07-56		2	2	40	GRAVEL BEG, PROD F,B*	*SPLIT WATER SYSTEM	
	1980	15.0			37.2			8	8	160			
	2160	18.0			36.8			5	5	100			
	2200	14.0			36.5			10	10	220			
	2380	24.0			34.4			38	36	750			
1411	2102	14.0	16.0			C7-66		1	2	30	PRODUCED (B)		
1429	2000	7.0	19.6	109	36.0	11-62		8	9	170	SH SO, PROD (M)		
	2380	15.0	16.6	89				2	4	60			
*1420	2770	9.0	12.4	8	35.0	11-60	C7-62	4	4	80	SHALLOW GRAVEL (F)		
1426	1986	13.0			36.0	01-59		1	2	30	SH SO, PROD (M)	*1965-66 EST, NO DATA 1967	
	2206	13.0						1	2	30		*INCL PRIM PROD SINCE 1-59	
	2419	5.0						1	2	30			
INMAN W C, GALLATIN													
1410	2180	10.0	17.0	80		06-61		2	3	50	GRAVEL BEG (F)	*FIRST DATA 11-66	
	2500	12.0	16.5	40				1	2	30			
1440	2185	10.0			36.0	C5-65		5	9	140	SH SO (F)	*FORMERLY MAC CIL JONES NO 3	
	2320	10.0						2	2	40			
	2516	10.0						10	9	190			
1428	1570	10.0	21.0	75	38.0	01-62		2	5	70	PRODUCED (B)	*NO DATA 1964-67, TEMP ABT 1-64	
1424	2500	8.0				06-66		4	5	110	PENN SO, PROD (B)		
1400	2740	20.0				07-58		1	5	10	UNKNOWN	*EST, NO DATA SINCE 1961	
1401	1726	8.0	15.0	72	36.9	10-57		1	1	180	PRODUCED (B)		
*1402	2500	16.5	13.5	40	38.6	05-55	(2-63	10	7	110	PENN SO, PROD (B)	*INCL 1403	
*1403	2180	11.0	13.0		36.1	03-57	03-63	3	7	90	PENN SO, PROD (B)	*INCL WITH 1402	
*1404	2560	6.0	18.0	100	35.0	05-57	06-59	1	1	20	PRODUCED (B)		

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	General information				Production and injection statistics (M bbls)						
	Project No. * = ABD + = P.M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
INMAN W C, GALLATIN (CONTINUED)											
1425	JOE SIMPKINS OIL	INMAN WEST UNIT	TAR SPRINGS HARDINSBURG CYPRESS	1,12-8S-9E;6,7-8S-10E	427 178 594	472 201 647	27.8 0.6 109.1	29 1 109	138 13 17	144 14 18	
1427	SKELLY CIL CO.	SCHMITT 'A'	BUCHANAN	15-8S-9E	*	2077	*	10	*	44	
1415	SKILES CIL CORP.	INMAN W	TAR SPRINGS	13,24-8S-9E	121	1299	5.2	69	97	644	
1438	SKILES OIL CORP.	RIOGWAY E U	CYPRESS	14,22,23,27-8S-9E	121	244	34.2	47	31	39	
1423	ZANETIS OIL PROF	SLATON	HARDINSBURG CYPRESS	11-8S-9E	163*	163*	2.8	14	1*	9*	
IOLA C, CLAY, EFFINGHAM											
303	GETTY CIL CO	IOLA UNIT	TAR SPRINGS CYPRESS BETHEL BENOIST	14,15-5N-5E	1391	11808	45.7	1160	905	7359	
321	HUMBLE O AND R	IOLA	AUX VASES CYPRESS BENOIST	15-5N-5E	147	891	7.5	133	88	739	
* 357	JARVIS BROS.	LIGGETT	AUX VASES	17-5N-5E	*	201*	*	31*	*	201*	
1110	KINGWOOD OIL CO.	S MASON U	BENOIST	34-6N-5E	151	151	2.7	3	8	8	
1111	KINGWOOD OIL CO.	KINGWCCC JARVIS U	AUX VASES SPAR MTN BENOIST	26-6N-5E	70	70	0.2		3	3	
322	TEXACO, INC.	IOLA COOP	AUX VASES	14,15-5N-5E	13	1589	3.7	55	*	*	
323	TEXACO, INC.	IOLA COOP	AUX VASES	14,15-5N-5E	24	3363	2.1	185	176*	4414*	
338	TEXACO, INC.	IOLA S. U.	AUX VASES	22-5N-5E	438	2224	9.3	71	336	1894	
IRVINGTON, WASHINGTON											
4004	HERMAN GRAHAM	C. KOELLING	BENOIST	15-1S-1W	120*	878*	5.5*	62*	70*	438*	
4002	MARK MAZZARINO	KASTEN U	CYPRESS	9-1S-1W	40	365	5.2	101	43	354	
4009	W. C. MCBRIDE	BROWN UNIT	CYPRESS BENOIST	23-1S-1W	106	353	29.9	42	120	216	
IUKA, MARION											
2613	TEXACO, INC.	IUKA	MCCLOSKEY	10,15-2N-4E	*	*	6.3	41	27	221	
JOHNSON N, CLARK											
207	ACME CASING	N JOHNSON	CLAYPOOL CASEY PARLTCW	10,11,15-9N-14W	1900*	15474	30.0*	959	1650*	10768	
* 204	F. A. BRIDGE OIL	BLOCK 'A'	CASEY	2-9N-14W		5731*		247*		2713*	
* 205	F. A. BRIDGE OIL	BLOCK 'B'	CASEY	35,36-10N-14W		1118*		59*		338*	
* 211	E. A. CLOFIELD	V. JONES	CASEY	1,3-9N-14W		75		1		2	
203	C. E. SKILES	N JOHNSON WF	CASEY	2-9N-14W	530*	3300*	40.0*	771*	100*	190	
* 208	TIOEWATER OIL CO	CLARK COUNTY 1	CASEY	2-9N-14W		2418		160		1572	
JOHNSON S, CLARK											
210	ACME CASING	JOHNSON EXT 1, 2	CLAYPOOL CASEY PARTLOW	22,23,26,27-9N-14W	720*	24669	15.1*	828	600*	18377	
212	ACME CASING	M E LARRISON	L PARTLOW	22,27-9N-14W	35*	4424	0.2*	163	32*	3585	
213	ACME CASING	WEAVER-BENNETT	L PARTLOW	27-9N-14W	200*	11359	2.2*	528	188*	9879	
209	FOREST OIL CO.	SOUTH JOHNSON (F-12)	U PARTLOW	27,34,35-9N-14W	3034	61885	32.1	1531			
JOHNSONVILLE C, WAYNE											
4167	FARRAR OIL CO.	E. JOHNSONVILLE UNIT	AUX VASES MCCLOSKEY	25,36-1N-6E;1-1S-6E	1006	6157	119.6	606	767	2907	
4163	HUMBLE O AND R	LANE-WEAVER	CHARA	9-1S-6E	160	279	21.4	21*	160	279	
4195	KINGWOOD OIL CO.	TALBERT UNIT	AUX VASES	32-1N-6E	177	633	7.9	52	114	203	
4089	TEXACO, INC.	SIMS UNIT	AUX VASES MCCLOSKEY	21,22,27,28,32,33,34- 1S-6E	311 518	311 518	15.1*	15*	20*	20*	
4121	TEXACO, INC.	JOHNSONVILLE U	AUX VASES	21,26,27,28,33,34, 35-1N-6E	2695	23153	246.8	3151	2743	16073	
4122	TEXACO, INC.	JOHNSONVILLE U.	MCCLOSKEY	3,4-1S-6E;21,26,27, 28,33,34,35-1N-6E	5731	54364	76.5	4030	2484	29406	
4095	UNION OIL CALIF.	T H MARKHAM	MCCLOSKEY	9-1S-6E	44	82*	12.7	61*	44	94*	
4134	UNION OIL CALIF.	CRISP UNIT	AUX VASES	7,8,17,18-1S-6E	582	8604	16.1	1189	453	4340	
JOHNSONVILLE S, WAYNE											
4172	ASHLAND O AND R	W GEFF UNIT	AUX VASES	11,14-1S-6E	519	2384	20.9	197	250	638	
JOHNSONVILLE W, WAYNE											
4169	JOE A. DULL	W JOHNSONVILLE UNIT	MCCLOSKEY	2-1S-5E;35,36-1N-5E	347	1471	47.4	129	120	229	
4161	KIRBY PETROLEUM	W JOHNSONVILLE	AUX VASES	14,23-1N-5E	300*	1534	23.9*	332	225*	640	
JOHNSTON CITY E, WILLIAMSEN											
4501	MUTUAL O AND G	JOHNSTON CITY E U	CYPRESS AUX VASES	15-8S-3E	245	245	29.4	29			
JUNCTION, GALLATIN											
1412	ESTELLE PRICE	JUNCTION UNIT	WALTERSBURG	16,17,20,21-9S-9E	*	2357*	*	303*			
KEENSBURG S, WABASH											
3991	CONTINENTAL OIL	FEARHEILEY-THOM-UTLEY	MANSFIELD	10-3S-13W	371	897	31.4	154	255	606	
3867	ALVA C. DAVIS	GARST-ECKLER	CYPRESS	34,35-2S-13W	115*	338*	14.4*	54*	25*	46*	
3915	VICKERY OILG.	A.P. GARST	CYPRESS	27-2S-13W		297		27		60	

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67				Injection water			Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil grav- ity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source	Type	
								Inj.	Prod.		SD = Sand GR = Gravel PROD = Produced SH = Shallow	(F) = Fresh (B) = Brine (M) = Mixed	
Proj. No.													
INMAN W C, GALLATIN (CONTINUED)													
1425	2150	15.0			36.0	C9-66*		11	7	200	GRAVEL BED (F)		
	2290	10.0			37.0			9	6	160			
	2475	15.0			37.0			14	13	300			
1427	1666	8.0				C6-60		1	4	60	SH SD, PROD (M)		*NO DATA 1967
1415	2122	10.0			36.0	04-56		4	4	69	SH SD, PROD (M)		
1438	2502	7.0			36.8	11-65		5	11	100	SHALLOW WELL (F)		
1423	2336	12.0				01-62		1	2	30	TAR SPR (B)		*ESTIMATED, DF
	2510	15.0						1	2	30			
IOLA C, CLAY, EFFINGHAM													
303	1874	8.0			32.2	C1-55		1	1	20	PENN SD, PROD (B)		
	2125	10.5	20.0	100				1	2	40			
	2250	17.3	16.0	40				6	5	120			
	2280	20.0	16.0	40				12	14	260			
	2330	20.0	14.7	80				13	15	280			
321	2150	15.0	15.7	70	37.5	C6-58		1	2	30	PRODUCED (B)		
	2280	16.0						2	3	50			
	2320	16.0						2	3	50			
* 357	2000	10.0			35.4	C1-58	C7-66	1	3	60	PRODUCED (B)		SWD NON-PAY ZONE
1110	2280	25.0				10-67		6	14	190	PENN SD (B)		
	2350	16.0						6	18	270			
	2424	5.0						4	12	160			
1111	2280	25.0				12-67		10	3	200	PENN SD, PROD (B)		
	2350	16.0						11	11	280			
	2424	5.0						4	6	100			
322	2290	9.5	15.7	80	36.0	C6-58		1	2	110	PRODUCED (B)		*INCL WITH 323
323	2350	13.3	15.7	80	36.0	06-58		1	1	190	PRODUCED (B)		*INCL 322
338	2340	8.5	15.1	65	36.0	C9-62		8	5	210	PENN SD, PROD (B)		
IRVINGTON, WASHINGTON													
4004	1531	10.8	19.0	278	37.2	02-59		2	9	110	PRODUCED (B)		*ESTIMATED 1966-67
4002	1400	20.0			35.0	11-57		2	4	80	PRODUCED (B)		
4009	1425	15.0	20.0	300	37.4	09-64		1	5	20	PRODUCED (B)		
	1540	12.0	18.0	65						20			
IUKA, MARION													
2613	2750	10.0			39.0	08-60		3	6	270	CYPRESS, PROD. (B)		*DUMP FLOOD, UNKNOWN
JOHNSON N, CLARK													
207	460	19.0	19.0	330		03-55		51	71	223	GRAVEL, PROD (M)		*ESTIMATED
	530	14.0											
	595	24.0											
* 204	450	20.0	20.8	399	33.9	04-49	01-63	27	13	125	SH SD, PROD (M)		*NO DATA 1958-1963
* 205	480	22.0	18.3	66	33.0	05-51	12-63	18	12	80	SHALLOW SD, PROD (M)		*NO DATA FROM 5-57 TO A80
* 211	440	19.0	19.8	252	35.4	09-51	02-54	3	2	15	SH SAND (F)		
203	475	20.0	20.0	231	32.2	11-53		18	22	240	GRAVEL BED, PROD (M)		*ESTIMATED
* 208	425	26.1	20.6	415	33.9	02-50	12-59	19	20	81	SHALLOW SD, PROD (M)		
JOHNSON S, CLARK													
210	420	15.0	21.0	294		03-55		30	33	479	GRAVEL, PROD (B)		*ESTIMATED
	465	20.0											
	500	30.0											
212	507	33.0	18.0	277		03-55		2	2	80	GRAVEL, PROD (M)		*ESTIMATED
213	467	35.0	19.0	285		03-55		6	7	280	GRAVEL, PROD (M)		*ESTIMATED
209	490	48.0	16.6	319	30.5	03-49		59	62	504	PRODUCED (B)		
JOHNSONVILLE C, WAYNE													
4167	3070	17.0	19.0	90	29.2	08-62		10	11	440	CYPRESS, PROD (B)		
	3200	10.0	14.0	100				9	9	380			
4163	3124	6.0	14.2	2454	38.6	06-62		1	5	50	PRODUCED (B)		
4195	3120	13.0	20.7	230	37.0	01-65		4	5	110	PENN SD, PROD (B)		
4089	3045	25.0	16.7	118	28.0	07-67		17	17	1960	PRODUCED (B)		*INCL BOTH PAYS
	3175	17.0	11.0	377	28.0			17	12	1960			
4121	3000	7.5	19.1	187	37.0	10-56		43	54	3230	PENN SD, PROD (B)		
4122	3100	10.0	15.5		37.0	11-54		26	25	3230	CYPRESS, PROD (B)		
4095	3158	7.0	15.0	24	40.4	12-52		1	3	80	PROD (B)		*NO DATA PRIOR TO 1965
4134	3019	17.0	19.0	80		11-57		9	6	360	PENN SD, PROD (B)		*INCL PRIM PROD SINCE 2-58
JOHNSONVILLE S, WAYNE													
4172	3050	11.0	20.3	82	39.0	C5-63		11	11	480	PENN SD (B)		
JOHNSONVILLE W, WAYNE													
4169	3072	11.0	13.5	200	37.0	10-63		2	4	150	PENN SD, PROD (B)		
4161	2900	12.0	19.0	92	35.0	05-62		5	5	170	PENN SD, PROD (B)		*ESTIMATED
JOHNSTON CITY E, WILLIAMSON													
4501	2300	20.0	14.8	80		C2-67		3	4	70	CYPRESS SD (B)		
	2580	6.0	12.2	14				2	5	70			
JUNCTION, GALLATIN													
1412	1720	14.0	16.0	22	36.0	05-51		5	6	110	SH SD (F)		*1965, 1966 EST, NO DATA 1967
KEENSBURG S, WABASH													
3991	1181	13.0	15.0	42	32.5	12-62		5	10	130	SH SD, PROD (M)		
3867	2378	12.0			37.3	10-64		4	5	90	SH SD, PROD (M)		*ESTIMATED 1966-67
*3915	2403	15.0	20.6	134	37.5	11-54	12-59	1	1	60	SH GRAVEL (F)		*ESTIMATED

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	General information				Production and injection statistics (M bbls)					
	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
					Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
Project No. * = ABD + = P.M.										
KEENVILLE, WAYNE										
*4125	N. A. BALDRIDGE	KEENVILLE UNIT	MDDLCKY	27,28,33,34-1S-5E		2137		232		1570
*4126	WALTER DUNDAN	KEENVILLE U	AUX VASES	28,29-1S-5E		1971		343		660
KENNER, CLAY										
306	PHILLIPS PET. CO	W KENNER U	CYPRESS BENOIST AUX VASES	23-3N-5E	247	16437	12.6	531	196	4705
* 305	TEXACC, INC.	KENNER L	BENOIST	25,36-3N-5E; 30,31-3N-6E		4349		374		1722
330	TEXACO, INC.	KENNER L	AUX VASES	25,36-3N-5E; 30,31-3N-6E	12	5363	5.4	117	40	1270
353	TRUMP DRILLING	CHASTEEN	BENOIST KENALLT AUX VASES	36-3N-5L	13	38	1.9	7	13	38
KENNER N, CLAY										
* 324	IND. FARM BUR.	THEOPALD	BENOIST	17-3N-6E		21		53		47*
KING, JEFFERSON										
2016	N. A. BALDRIDGE	EPER-GOFF	AUX VASES	22-3S-3E	54	81	0.0	1	54	81
2025	MAC OIL COMPANY	MAC UNIT	AUX VASES	33-3S-3E	18*	38	14.7*	63*	18*	38
2017	TAMARACK PET.	RANDOLPH	AUX VASES	27,34-3S-3E	140*	432	27.2*	123	165*	411
2013	TEXACC, INC.	BAKER-BUMPUS-SMITH	AUX VASES	33,34-3S-3E	126	1754	5.9	54	20	335
LANCASTER, LAWRENCE, WABASH										
3954	HAYES-WOLFE BROS	LANCASTER UNIT	BETHEL	4,9-1N-13W;33-2N-13W	526	3086	174.3	918	12	95*
3881	MUBIL OIL CORP.	SHARP WOOD	BETHEL	4-1N-13W	119	447	19.5	107	5	16
LANCASTER S, WABASH										
3916	HIGGINS ASSOC.	LANCASTER SOUTH	BETHEL	21-1N-13W	36	349	1.6	80	1	81
LAWRENCE, LAWRENCE, GRAMERCY										
*2250	ACME CASING	S SUMNER UNIT	BETHEL	14,23,24-3N-13W		1191		186		285
2215	ASHLAND O AND R	BOLLES-WRIGHT UNIT	BETHEL	7,8,17-4N-12W	218	272	5.3	8	21	30
2242	BALDWIN, BALOWIN	D'DUNNELL	CYPRESS	17-3N-12W	*	1665*	*	148*	*	414*
2268	FRANCIS BEARD	JENNER	BETHEL	36-3N-12W	140*	570*	+	+	+	+
2269	FRANCIS BEARD	JENNER	CYPRESS	36-3N-12W	450	1648*	34.6**	189**	380**	895**
2202	BRADLEY PROO.	C M PERKINS	BRIDGEPORT	32-4N-12W	355	6764	16.8*	766*	362*	3924*
2203	BRADLEY PROO.	C M PERKINS	CYPRESS	32-4N-12W	586	7711	*	*	*	*
2220	BRADLEY PROO.	BUCHANAN	CYPRESS	7-3N-12W	53	104	7.5	13		
			BETHEL		91*	114*				
			BENOIST							
2223	BRADLEY PROO.	TANQUARY	CYPRESS	7-3N-12W	180	186	3.4	4		
			BETHEL		54	57				
2233	BRADLEY PROO.	PEPPLE	CYPRESS	30-4N-12W	703	7254	33.2*	936*	345*	2750*
2234	BRADLEY PROO.	L GILLESPIE	BETHEL	26,35-3N-12W	65	1458	*	*	*	*
2235	BRADLEY PROO.	L GILLESPIE C	CYPRESS	26,35-3N-12W	639	7295	*	*	*	*
2236	BRADLEY PROO.	L GILLESPIE	BRIDGEPORT	26,35-3N-12W	579	7682	25.5*	738*	442*	5689*
2238	BRADLEY PROO.	L M SEEO	CYPRESS	21-3N-12W	175	175	0.3	0		
2241	BRADLEY PROO.	FYFFE	CYPRESS	6-3N-12W;1-3N-13W	270	5191	7.2	425	90	1418
2245	BRADLEY PROO.	S GILLESPIE	CYPRESS	26-3N-12W	69	591	21.5*	109*	14*	36*
2246	BRADLEY PROO.	S GILLESPIE	BETHEL	26-3N-12W	60	398	*	*	*	*
2255	BRADLEY PROO.	BREEN	BETHEL	24,25-4N-13W	294	1240	*	*	*	*
2256	BRADLEY PROO.	BREEN	CYPRESS	24,25-4N-13W	99	959	5.6*	172*	91*	857*
2257	BRADLEY PROO.	PEPPLE	BETHEL	30-4N-12W;25-4N-13W	16	957	*	*	*	*
2258	BRADLEY PROO.	WHITTAKER AREA	BETHEL	2,10,11-3N-12W	275	1764	*	*	*	*
2259	BRADLEY PROO.	WHITTAKER AREA	CYPRESS	2,10,11-3N-12W	915	6784	95.0*	1097*	591*	2506*
2260	BRADLEY PROO.	E J SEEC	CYPRESS	15,16,22-3N-12W	108	154	1.9*	55*		
2261	BRADLEY PROO.	E J SEEC	JACKSON	15,16,22-3N-12W	5*	56	+	+		
2265	BRADLEY PROO.	PIPER-CROLL AREA	JACKSON	1,2-4N-13W;36-5N-13W	478	3447	169.3*	1018*	487*	1662*
2266	BRADLEY PROO.	PIPER-CROLL AREA	CYPRESS	1,2-4N-13W;36-5N-13W	731	3993	*	*	*	*
*2200	CALVAN AMERICAN	PIPER	CYPRESS	2,11-4N-13W		146		6		
2229	CALVAN AMERICAN	WALLER	CYPRESS	5,6-2N-11W		828		12		144
2262	CHARLES E. CARK	FYFFE U	CYPRESS	36-4N-13W	251	1831	4.0	171	80	1137
*2205	WALTER DUNCAN	L.C. OAVIO	SAMPLE	8-3N-11W		56		0		8
2247	FAIRFIELD SALV.	BUCHANAN	JACKSON	16,21-3N-12W	*	610*	*	0*	*	24*
			CYPRESS							
2206	T. W. GEORGE	KLONDIKE WF	BENOIST	25,26,35,36-5N-13W		9990		1098		3338
*2280	GULF OIL CO	H E CRIGGS	CYPRESS	18-3N-12W	48	245	0.4	6	1	2
			BENOIST							
2270	HARRIS ORLG	GRAY FEE WF	CYPRESS	1-2N-12W	179	798*	21.6	48*	36	82*
			BETHEL							
2276	HARRIS ORLG	WITHERS-PELHAM-STATE	CYPRESS	36-3N-12W	243	1584	32.7	214	180	592
			BETHEL							
2240	O. S. HUCCLESTON	VANOERMARK-ALBRECHT	BRIDGEPORT	34-3N-12W	183	1351	23.0	170	173	723*
2224	ILLINOIS OIL CO.	FINLEY L	CYPRESS	25-3N-12W	97	97	4.3	4	37	37
			BETHEL							
2225	ILLINOIS OIL CO.	GEE-IRWIN U	CYPRESS	26-3N-12W	60	60	5.6	6	27	27
			BETHEL							
2226	ILLINOIS OIL CO.	CINING PEIRS	MCDLCKY	36-3N-12W	49	105	3.5	9	40	70
			BETHEL							
2227	ILLINOIS OIL CO.	MCCROSKEY HRS	CYPRESS	25-3N-12W	43	78	12.2	24	34	49
			BETHEL							
2277	ILLINOIS OIL CO.	HUNKER FILL U	BRIDGEPORT	12-2N-12W	126	450	11.3	40	61	221
			BETHEL		235	605	8.9	19	20	88
2281	JENNY LEE OIL CO	CALVERT-MUSGRAVE	BRIDGEPORT	3-3N-12W	*	7*	*	0*	*	*
2213	MARATHON OIL CO.	16 PROJECTS *	JACKSON	T3,4N-R12,13W	25886	187266	3530.3	33710	19941	107814
			CYPRESS							
			BETHEL							
			BENOIST							
2214	MARATHON OIL CO.	8 PROJECTS *	BRIDGEPORT	T 3,4N R 12,13W	8185	127106	456.5	12273	6970	96753

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67					Injection water			Remarks
	Proj. No.	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source	Type	
									Inj.	Prod.		SD = Sand GR = Gravel PROD = Produced SH = Shallow	(F) = Fresh (B) = Brine (M) = Mixed	
KEENVILLE, WAYNE														
*4125	3100	9.0				40.0	11-56	C3-66	3	12	220	SH SD, PRDD IM)		
*4126	2950	13.0	20.0	155	35.0	C4-54	11-61		3	9	120	SH SAND (F)		
KENNER, CLAY														
306	2600	13.0				27.5	C2-52		2	8	280	PRODUCED (B)		
	2720	14.0							1	9	200			
	2800	16.0							0	5	70			
* 305	2700	14.0	15.6	54	36.0	C6-59	12-65		23	24	480	PENN SD, PRDD (B)		
330	2800	21.0	17.0		36.0	C6-59			1	8	270	PRODUCED (B)		
353	2719	29.0			35.8	08-63			1	1	20	PRODUCED (B)		
	2774	18.0							1	1	20			
	2831	13.0							1	1	20			
KENNER N, CLAY														
* 324	2750	10.0	17.0	40	36.0	10-58	12-63		1	3	30	PRDD (B)		*ESTIMATED
KING, JEFFERSON														
2016	2700	7.0					C1-63		1	3	40	PRODUCED (B)		
2025	2708	10.0	12.0	16			11-64		1	7	80	PRODUCED (B)		*EST +INCL PRIM PROD SINCE 11-64
2017	2700	20.0					06-64		3	5	80	CYF, PRDD (B)		*ESTIMATED
2013	2735	11.0			27.0	C5-61			2	2	160	PRODUCED (B)		
LANCASTER, LAWRENCE, WABASH														
3954	2500	16.0			34.0	12-58			21	34	500	SURF PONDS, PRDD (M)		*ESTIMATED
3881	2540	21.0	17.0	65	37.5	07-64			2	2	40	PRODUCED (B)		
LANCASTER S, WABASH														
3916	2520	10.0			26.0	C1-55			2	2	40	PRODUCED (B)		
LAWRENCE, LAWRENCE, CRAWFORD														
*2250	2040	10.0	17.2	36	35.0	12-59	01-66		8	9	297	SH SD AND PRDD (M)		
2215	1680	10.0	15.0	20	38.0	07-66			4	11	120	PURCHASED (F)		
2242	1500	28.0	16.7	15	38.0	C4-59			9	7	160	BUCHANAN, PRDD (B)		*NO DATA 1964-67
2268	1655	10.0	15.0	20		11-62			11	10	100	GRAVEL BED, PRDD (M)		*1967 DATA EST +INCL WITH 2269
2269	1540	25.0	15.0	30		11-62			11	10	100	GRAVEL BED, PRDD (M)		*1967 DATA EST +INCL 2268
2202	300	14.0	18.0	125	36.0	C2-55			19	10	100	BUCHANAN SD, PRDD (B)		*INCL 2203
2203	1350	20.0	18.0	100	37.2	C2-55			19	10	100	BUCHANAN SD, PRDD (B)		*INCL WITH 2202
2220	1570	28.0	17.5	64	37.0	12-65			5	2	80	GRAVEL BED (F)		*BETHEL, BENDIST COMINGLED
	1670	9.0	15.5	37							80			
	1730	9.0	12.5	2							80			
2223	1615	18.0	21.0	17	36.0	12-66			4	1	40	RIVER GRAVEL (F)		
	1730	22.0	22.0	14	36.0				3	1	30			
2233	1400	30.0	18.0	75	37.0	06-57			21	17	130	BUCHANAN SD, PRDD (B)		*INCL 2257
2234	1660	10.0	16.5	25	37.0	11-58			17	10	100	GRAV BED, PRDD (M)		*INCL WITH 2236
2235	1550	28.0	17.0	35	37.0	11-58			17	10	100	GRAV BED, PRDD (M)		*INCL WITH 2236
2236	990	30.0	19.2	200	37.0	11-58			16	10	100	GRAV BED, PRDD (M)		*INCL 2234, 2235
2238	1630	22.0	74.0	18	22.0	03-67			3	1	20	SH SD (F)		
2241	1580	35.0	18.0	100	35.0	C7-59			10	4	45	BUCHANAN SD, PRDD (B)		
2245	1550	28.0	17.0	35	29.0	10-60			8	6	50	RIVER, PRDD (M)		*INCL 2246
2246	1660	10.0	16.5	25	39.0	10-60			8	6	50	RIVER AND PRDD (M)		*INCL WITH 2245
2255	1675	20.0	12.0	5	27.0	C5-60			6	5	70	BUCHANAN SD, PRDD (B)		*INCL WITH 2256
2256	1530	20.0	16.0	47	27.0	C5-60			6	5	70	BUCHANAN SD, PRDD (B)		*INCL 2255
2257	1650	20.0	14.0	10	39.2	C8-59			6	7	50	BUCHANAN SD, PRDD (B)		*INCL WITH 2233
2258	1630	15.0	15.0	10	37.0	C4-61			26	26	650	RIVER GR, PRDD (M)		*INCL WITH 2259
2259	1520	20.0	18.0	35	37.0	11-60			26	26	650	RIVER GR, PRDD (M)		*INCL 2258
2260	1590	16.0				C2-61			3	2	10	SH SD (F)		*INCL 2261
2261	1500	5.0				C2-61			1	2	30			*INJ RESUMED +INCL WITH 2260
2265	1310	12.0	18.0	30	39.0	12-61			22	24	480	RIVER GR, PRDD (M)		*INCL 2266
2266	1400	10.0	18.0	35	38.0	12-61			22	24	480	RIVER GR, PRDD (M)		*INCL WITH 2265
*2200	1520	25.0	20.8	33	38.6	12-53	06-56		4	2	60	SH SAND (F)		
*2229	1535	50.0	18.5	70	35.5	C3-53	11-55		8	8	160	SH GRAVEL (F)		*ESTIMATED
2262	1650	25.0	18.0	130		12-60			8	4	80	PENN SD, PRDD (B)		
*2205	1600	6.0				08-56	D9-58		1	1	20	RIVER GRAVEL (F)		
2247	1520	15.0	22.0	100		02-61			3	5	80	BUCHANAN SD, PRDD (B)		*NO DATA 1965-67
	1650	15.0	19.8	108	32.0				3	5				
*2206	1625	18.0	17.2	80	37.8	C6-52	12-60		44	36	750	SHALLOW SD, PRDD (M)		*ESTIMATED
*2280	1586	16.0	16.7	21	36.0	C4-63	12-67		1	1	10	PRODUCED (B)		
	1746	12.0	16.0	27					1	1	10			
2270	1545	25.0			27.0	C7-61			3	5	60	SH SD, PRDD (M)		*INCL DATA FORMERLY 2271
	1670	10.0							3	5	60			
2276	1564	20.0	16.9	41	38.5	02-63			8	8	80	SH SD, PRDD (M)		
	1690	12.0	15.0	17							80			
2240	988	24.0	21.0	398	29.5	C8-58			2	5	70	LAKE, PRDD (M)		*ESTIMATED
2224	1600	12.0	17.0	50	36.0	C1-67			2	8	23	SH WELL (F)		
	1700	8.0	15.0	35										
2225	1530	20.0	18.0	100	36.0	02-67			1	1	20	PRODUCED (B)		
	1630	15.0	16.0	50					1		20			
	1780	10.0	15.0								20			
2226	1550	12.0	18.0	100		12-65			1	2	5	PRODUCED (B)		
	1650	10.0	16.0	70					1	2	5			
2227	1600	15.0	18.0	75	36.0	01-66			1	2	10	PRODUCED (B)		
	1725	10.0	15.0	50					1	2	10			
2277	975	10.0	19.0	350	35.0	D2-64			1	3	40	SH SD (F)		
	1775	8.0	14.0	25	38.0				4	7	100			
2281	1019	15.0				06-62			1	2	30	SH SD, GRAVEL (F)		*NO DATA 1965-67
2213	1375					01-52			160+	150+	1600+	PRDD, FRESH WSW (M)		*JUDY, WESTALL, KING, SUTTON, KIMMEL
	1430	10.0							560+	550+	5600+			*80YD, MIDDAGH, NEWELL, MODRE, THORN
	1530	10.0							220+	220+	2400+			GOULD, SEED, GRAY, RYAN, LEIGHTY,
	1600	8.0							30+	30+	300+			JENNER +ESTIMATED
2214	800	30.0			35.6	C8-48			206	249	1976	GRAVEL BED, PRDD (M)		*ROBINS, JOHNSON, BALTZELL, LEWIS, CLARK, COOPER, FINLEY, GEF

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Project No. * = ABD + = P.M.	General information			Production and injection statistics (M bbls)						
		Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
LAWRENCE, LAWRENCE, CRAWFORD (CONTINUED)											
2216	MARATHON OIL CO.	4 PROJECTS *	MCCLOSKEY	T 3,4N R 12,13W		3546	33277	243.9	3476	2390	23292
2279	MARATHON OIL CO.	RIDGLEY 41-P	RIDGLEY	26,34,35-3N-12W		609	923	184.6	368	257	383
2204	W. C. MCBRIDE	APPLEGATE	JACKSON CYPRESS MCCLOSKEY	7-4N-12W; 12-4N-13W		508	4468	9.9	228	369	3476
2208	W. C. MCBRIDE	CRUMP '40'	CYPRESS	19-4N-12W		97	1764	5.6	260	245	2578
2209	W. C. MCBRIDE	CRUMP UNIT	CYPRESS	31-4N-12W		157	1603	4.6	141	84	701
2210	W. C. MCBRIDE	NEAL	CYPRESS	29-4N-12W		369	4257	16.5	605	286	2461
2219	W. C. MCBRIDE	ROGERS	BETHEL CYPRESS	14-3N-12W		263	390	57.1	87	90	125
*2249	W. C. MCBRIDE	HINKLE	BETHEL MCCLOSKEY	26-3N-12W			175		24		223
2251	W. C. MCBRIDE	COMBS	CYPRESS	20-4N-12W		1*	660	1.6	56	10	268
2252	W. C. MCBRIDE	POWER-ROSS	BETHEL CYPRESS	29-4N-12W		200	1868	8.1	195	186	1313
2253	W. C. MCBRIDE	FYFFE '39'	CYPRESS	31-4N-12W		97	1476	3.6	187	150	1122
2254	W. C. MCBRIDE	OALRYMPLE	CYPRESS	29-4N-12W		362	3023	12.5	443	240	1695
2285	W. C. MCBRIDE	HINKLE	BETHEL BENOIST CYPRESS	26-3N-12W		192	815	68.6	261	117	223
2211	MURPHY OIL, OKLA	STOLTZ	CYPRESS	32-4N-12W		342	4857	*	*	*	*
2212	MURPHY OIL, OKLA	STOLTZ	CYPRESS	32-4N-12W		556	5757	14.2*	996*	589*	5586*
2243	OILFIELD OILG.	BELL UNIT	CYPRESS	1-3N-13W		10	2429*	0.1*	172*	3*	998*
2244	OILFIELD OILG.	BRIDGEPORT UNIT	CYPRESS	6-3N-12W		400*	5510*	16.0*	1095*	400*	3642*
2273	BERNARD MCCLOSKEY	LEEB AND MCPHERSON	CYPRESS	14,15,22-3N-12W		216	1935	40.8	228	178	646
2274	BERNARD MCCLOSKEY	GILLESPIE AND CALVERT	BETHEL CYPRESS	15,22-3N-12W		136	867	10.0	63	49	177
2275	BERNARD MCCLOSKEY	BURNS, GRIGGS, ZELLARS	BRIDGEPORT CYPRESS	8-3N-12W		802	9252	22.0	541	742	3454
*2230	REE, INC.	SNYDER	CYPRESS	30-3N-11W			16		1		69
2222	HUBERT ROSE	LEIGHTY	CYPRESS	32-3N-11W		46	73	1	1		
2289	DAVID ROTSTEIN	W.F. COLLD UNIT	CYPRESS	31-3N-12W		*	485	*	2	*	97
*2217	SHAKESPEARE OIL	S 8*PCRT U C MILLER C	BETHEL	20,29,30-3N-12W		0	4902	2.9	536	5	2057
2221	WAYNE SMITH, OP.	CSCAR LEIGHTY	CYPRESS	31-3N-11W		190	283	6.2	11	143	253
2272	WAYNE SMITH, OP.	HAYWARD AREA	CYPRESS	25,26-3N-12W		478	890	101.6	361	376	476
*2286	WAYNE SMITH, OP.	BLCHANNAN AREA	BETHEL BRIDGEPORT	2-2N-12W			190		1		2
2237	RICHARD THOMPSON	STOLTZ HEIRS	CYPRESS	25-4N-13W		*	164*	26.9*	227*	*	58*
2207	WOLCP OIL CO.	GRAY AREA	JACKSON BETHEL BENOIST	13,14-4N-13W		371	6507	14.5	670	304	4160
2239	ZANETIS OIL PROF	WAYNE HEIRS	AUX VASES MCCLOSKEY	28-3N-11W		10	77	2.7	11	10	77
*2264	ZANETIS OIL PROF	CASSIL	CYPRESS	36-4N-13W			62		57		197
2282	ZANETIS OIL PROF	CARLSON	CYPRESS	15-3N-12W		268	1078	61.1	132	153	275
2283	ZANETIS OIL PROF	HUDSON WF	BETHEL MCCLOSKEY CYPRESS	8-3N-11W		67	168	5.7	16	68	146
LILLYVILLE, CUMBERLAND, EFFINGHAM											
704	INC. FARM BUR.	KROGMAN	MCCLOSKEY	31-9N-7E		29	619	2.6	55	9	27*
LIVINGSTON, MADISON											
*2500	WILLIAM H. KROHN	KROGER	PENN	17-6N-6W			67		3		
2502	WILLIAM H. KROHN	KROGER	PENN	17-6N-6W			37*		3*		
2501	M. W. MCCONNELL	C. AND C. HENKE UNIT	PENN	17,20-6N-6W		*	104	*	25	*	
LIVINGSTON S, MADISON											
2507	M. J. WILLIAMS	BLOM-FLOWLER-RUEHRUP	PENN	27-6N-6W		77	341	9.0	38	1	2
LOCUST GROVE, WAYNE											
4085	ZANETIS OIL PROF	DAUBS P	AUX VASES	31-IN-9E		37	49	0.7	1		
LOUDON, EFFINGHAM, FAYETTE											
*1201	W. L. BELDEN	HINTON U	CYPRESS	32-7N-3E			100		11		
1202	W. L. BELOEN	UNIT 25	CYPRESS	24,25-8N-3E		409	3687	24.0	513		
1203	O. L. BURTSCHI	D.L. BURTSCHI U	CYPRESS	18-7N-3E		22	520*	4.2	152*		
1205	CORAN OIL PROP.	STEWART AND DIAL	CYPRESS	6-7N-3E		69*	711	6.6*	102	25*	68*
1242	CORAN OIL PROP.	LAURA LEGUE	CYPRESS	18-7N-3E		10*	16	17.5*	36	10*	16
1206	GENERAL AMERICAN	DEVORE CDDP	CYPRESS	1-7N-2E		151	783	19.3	295	151	663
1244	A. L. FERMANN	LILLY	CYPRESS	16-8N-3E		437	1374	158.7	387	252	697
1249	R. L. HOSS	BLZZARD	BETHEL CYPRESS	3-7N-3E		*	*	2.1*	198*	27*	212*
1225	L. B. HOSS	EMERSON	CYPRESS	31-8N-3E		5*	12	1.5*	5	15*	93*
1235	L. B. HOSS	H. LOGUE	CYPRESS	18-7N-3E		70*	445	2.5*	22	18*	111
1241	L. B. HOSS	ARNOLD-MORRISON	BETHEL CYPRESS	19-7N-3E		120*	1049	44.7*	208	120*	822
1248	L. B. HOSS	RHODES	CYPRESS	18-7N-3E		65*	129	34.6*	81	75*	202
1232	HUGHES PROD.	HOPPER-IOWNS-SEN-MCLRY	CYPRESS	12-7N-2E		155*	964	26.5*	337	350*	1431
1204	HUMBLE C AND R	LOUDON	CYPRESS	T 7,8,9N-R 2,3,4E		46897	507153	5762.1	105064	31933	204921
*1223	HUMBLE C AND R	LOUDON DEVONIAN	BETHEL BENOIST AUX VASES DEVONIAN	2,10,11,15,20,21,22, 27,28,29,32,33-8N-3E			207361		19241		184970
1207	JARVIS BROS.	HCMAN	CYPRESS	29,31,32-7N-3E		159	16108	12.7	1905	397	10826
1208	JARVIS BROS.	YAKKEY	CYPRESS	6-7N-3E		34	2735	4.9	278	10	1744
1230	JARVIS BROS.	SINCLAIR	BETHEL CYPRESS BETHEL	29-8N-3E		301	2533	21.9	587	402	2036

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County		Reservoir statistics (avg. value)				Development as of 12-31-67				Injection water		Remarks	
		Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil grav- ity (°API)	Date first inj.	Date sbd.	No. of wells		Acres under inj.		Source SD = Sand GR = Gravel PROD = Produced SH = Shallow
Proj. No.									Inj.	Prod.			
LAWRENCE, LAWRENCE, CRAWFORD (CONTINUED)													
2216	1700	20.0		1500		11-56		51	56	1637	GRAVEL 8EO, PROD IM)		*APPLEGATE, WILLIAMS, GILLESPIE, VANDEMARK
2279	1230	16.0	17.0	400		08-64		24	22	547	GRAVEL 8EO, PROD IM)		
2204	1240	10.0	19.0	80	24.7	09-52		15	16	180	GRAVEL 8EO, PROD IM)		
	1350	15.0	17.0	30				8	8	60			
	1635	3.0	23.0	40				10	10	40			
2208	1280	25.0	20.0	90		04-56		4	4	40	PENN SD, PROD (B)		
2209	1420	22.0	20.0	80		12-56		5	4	40	PENN SD, PROD (B)		
2210	1390	23.0	19.0	80		06-56		8	8	80	PENN SD, PROD (B)		
	1470	18.0	17.0	20				8	8	80			
2219	1530	12.0	16.0	30		08-66		4	6	50	PENN SU, PROD (B)		
	1620	10.0	15.0	20				4	5	40			
*2249	1775	15.0	20.0	175		08-59	C1-66	1	4	40	PENN SD, PROD (B)		
2251	1450	20.0	18.0	50		03-59		4	6	60	PENN SD, PROD (B)		*1NJ DISCONTINUED 8-67
	1630	10.0	12.0	10			C7-66	2	2	20			
2252	1320	20.0	19.0	120		08-58		4	4	40	PENN SD, PROD (B)		
2253	1420	20.0	20.0	80		12-56		3	4	40	PENN SD, PROD (B)		
2254	1500	20.0	19.0	80		09-59		7	5	65	PENN SD, PROD (B)		
	1575	10.0	16.0	30				2	3	25			
	1650	13.0	15.0	25				1	1	10			
2285	1550	17.0	18.0	50		11-63		5	8	80	PENN SD, PROD (B)		
	1660	12.0	15.0	20				5	7	80			
2211	860	25.0	22.3	15	37.0	01-55		10	8	25	GRAVEL 8EO, PROD IM)		*INCL WITH 2212
2212	1400	18.5	17.3	18	27.0	01-55		4	8	25	GRAVEL 8EO, PROD IM)		*INCL 2211
*2243	1650	20.0	18.0	80	28.0	06-59	C3-66	2	1	80	PENN SD, PROD (B)		*1966 DATA ESTIMATED
2244	1575	25.0	18.0	80	28.0	06-59		9	10	150	PENN SD, PROD (B)		*ESTIMATED 1966-67
2273	1535	15.0	18.5	40	30.0	12-62		7	7	180	BUCHANAN, PROD (B)		
	1650	10.0	18.0	15				6	5	120			
2274	1590	14.0	18.5	40	30.0	11-62		3	5	100	BUCHANAN, PROD (B)		
2275	850	20.0	21.0	131	20.9	11-56		4	6	50	BUCHANAN, PROD (B)		
	1440	20.0						5	7	60			
*2230	1580	25.0	21.2	125	28.6	10-52	C1-55	1	2	10	TAR SPRINGS, PROD (B)		
2222	1610	9.0		36.0	02-66			1	2	30	PENN SU, PROD (B)		
2289	1590	20.0	19.0	75	30.0	09-65		8	8	180	PENN SU, PROD (B) (B)		*NO DATA 1967
*2217	1000	12.1	17.1	70	38.0	10-56	12-66	20	18	313	TAR SPRINGS (B)		
2221	1650	15.0	16.5	50	39.0	01-66		2	2	40	RIVER GRAY, PROD IM)		
2272	1575	25.0	16.0	20	25.5	12-63		6	16	120	BRIDGEPORT, PROD (B)		
	1650	14.0						6	16	120			
*2286	950	40.0	19.0	100	31.0	07-63	C2-66	2	2	40	SHALLOW SAND (F)		
2237	1560	16.0	20.0	85	38.0	07-58		7	7	100*	PENN SD, PROD (B)		*NO DATA SINCE 1961 *EST
2207	1412	8.0	13.5	9		05-53		10	10	200	BRIDGEPORT, PROD (B)		
	1577	11.0	21.0	40				10	10	200			
	1622	16.0	18.5	46				8	7	150			
2239	1838	8.0	20.0	2	38.5	03-65		1	3	50	PRODUCED (B)		
	1919	5.0	15.0	23				1	3	50			
*2264	1640	19.0		36.6	07-62	12-66		1	3	40	SH SL, PROD (M)		
2282	1516	21.0	16.0	14	26.7	07-64		9	9	180	PRODUCED (B)		
	1622	22.0						1	2	40			
	1770	5.0	15.0	2				2	4	100			
2283	1597	18.0	20.8	121	36.1	05-64		2	5	40	PRODUCED (B)		
LILLYVILLE, CUMBERLAND, EFFINGHAM													
704	2450	8.0		35.0		05-57		1	3	40	PROD (B)		*1965-67 DATA ONLY
LIVINGSTON, MACISON													
*2500	520	15.0		23.5	07-54	12-57		2	5	80	BEACIST, A.V. SDS (B)		
2502	520	20.0		37.0	05-59			1	3	160	AUX VASES (B)		*NO DATA SINCE 1962
2501	525	22.0	16.0	36.0	05-52			10	10	80	SALEM, PROD (B)		*NO DATA SINCE 1960
LIVINGSTON S, MACISON													
2507	545	35.0	22.8	1421	35.0	10-63		5	7	150	SH SD IF)		
LOCUST GROVE, WAYNE													
4085	3180	10.0		39.8		08-66		1	1	20	CYP SD (B)		
LOUGEN, EFFINGHAM, FAYETTE													
*1201	1584	20.0	17.4	126	34.0	09-56	C1-63	1	1	20	PROD (B)		
1202	1530	15.0		34.0		10-57		4	15	240	TAR SPR, PROD (B)		
1203	1475	30.0				08-56		1	1	20	PURCHASED (B)		*ESTIMATED SINCE 1-65
1205	1522	20.0	19.0	30	38.0	07-57		3	3	40	T.S. AND PROD (B)		*ESTIMATED SINCE 1-64
1242	1550	15.0		35.0	08-63			1	2	35	PRODUCED (B)		*ESTIMATED
1206	1454	10.0	18.0	43	27.0	07-57		1	6	116	PRODUCED (B)		
1244	1475	22.0		35.5	08-64			6	5	118	TAR SPRINGS (B)		
	1555	22.5						6	5	118			
	1610	27.5						3	2	50			
1249	1550	30.0	19.0	150*	38.0	06-60		1	3	40	TAR SPR, PROD (B)		*NOT AVAILABLE *EST
1225	1500	12.0	19.0	37.0	01-59			1	1	10	PRODUCED (B)		*ESTIMATED *1960-62 EST
1235	1475	26.0	19.0	37.0	11-61			1	1	10	PURCHASED (B)		*ESTIMATED
	1580	15.0	19.0										
1241	1490	68.0	20.0		38.0	11-58		1	9	50	PURCHASED (B)		*ESTIMATED
1248	1530	20.0	19.0		38.0	01-65		1	4	40	TAR SPR, PROD (B)		*ESTIMATED
1232	1505	25.0			36.0	08-57		5	7	100	TAR SPR, PROD (B)		*1967 ESTIMATED
1204	1500	18.5	19.5	102	38.0	10-50		680	680	14700	TAR SPR, PROD (B) (B)		
	1580	11.6	18.2	85				360	400	7770			
	1620	15.4	19.1	109				260	280	5890			
	1660	14.1						25	25	541			
1223	3100	18.0	14.4	41	29.0	09-43	12-66	7	42	2600	PRODUCED (B)		* CONVERTED TO GAS STORAGE RESERVOIR
1207	1562	27.0	18.0	200		03-54		4	6	320	PRODUCED (B)		
1208	1400	18.0				11-57		2	1	70	TAR SPR, PROD (B)		
	1540	27.0						2	1	70			
1230	1446	25.0				08-60		4	4	80	PRODUCED (B)		
	1528	25.0						4	4	80			

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Project No. * = ADD + = P.M.	General information			Production and injection statistics (M bbls)						
		Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
LCUEN, EFFINGHAM, FAYETTE (CONTINUED)											
1243	JARVIS BROS.	WELKER	CYPRESS	31-7N-3E		29	985	31.0	492	158	2197
1209	BARKON KID	B. F. OWENS	CYPRESS	9-7N-3E		43	714	5.1	208	68	969*
1210	KINGWOOD OIL CO.	YOLTON	CYPRESS	12-7N-2E; 7-7A-3E		208	1864	26.4	604	152	1062
1211	KINGWOOD OIL CO.	YOLTON	BETHEL	12-7N-2E; 7-7A-3E		30	306	2.6	24	8	65
1228	KINGWOOD OIL CO.	SMITH	CYPRESS	13-7N-2E		116	900	14.3	169	110	488
1234	KINGWOOD OIL CO.	WELKER	CYPRESS	13-7N-2E		9	115	0.2	2	4	16
1236	M-S-C- CORP	E.L. BURTSCHI	CYPRESS	18-7N-3E		75*	1312*	13.9*	176*	60*	855*
1237	M-S-C- CORP	SEFTON	CYPRESS	1, 12-7N-2E		74*	800*	12.7*	211*	70*	498*
1214	MABEE PET. CORP.	HOMAN	CYPRESS	29-7N-3E		178	3197	14.9	519	119	3137
1215	MABEE PET. CORP.	KOBERLIEN	CYPRESS	30-7N-3E		162	1828	9.3	488*	120	620
1247	BOYD C. MARQUANT	KIMBRELL-GOOD	CYPRESS	19-7N-3E		100*	920*	5.0*	100*	60*	600*
1217	W. C. MCBRIDE	STOKES-WEILER	CYPRESS	14-8N-3E		144	1930	9.1	394	114	595
1233	W. C. MCBRIDE	SAPP	CYPRESS	18-7N-3E		180	607	25.6	113	81	132
1216	MOBIL OIL CORP.	RHOODES-WATSON	CYPRESS	27, 33, 34-8N-3E		370	3621	41.4	944*	307	2144
			BETHEL								
1224	MUBIL OIL CORP.	LCUEN	BENOIST	5-7N-3E; 32-BN-3E		1559	15882	148.4	4351*	1534	6721
			BETHEL								
1227	MOBIL OIL CORP.	BUZZARE BROS.	BENOIST	29-8N-3E		147	912	19.4	140*	125	674
			BETHEL								
1213	SELF REALIZATION	E.C. SMITH	CYPRESS	20-7N-3E		319	2769	11.1	775	112	1594
1212	SHULMAN BROTHERS	LCUEN EXTENSION	CYPRESS	34, 35, 36-8N-3E;		996	35151	15.9*	3195*	1064	22874
				2, 3-7N-3E							
1229	TEXACO, INC.	LCUEN SOUTH UNIT	CYPRESS	6-6N-3E; 31-7A-3E		1602	5269	82.5	429	1602	10050
1108	TROOP DRILLING	LCUEN EXTENSION	CYPRESS	19-8N-4E		54	341	14.2	64	17	61
1200	TROOP DRILLING	RHOODES, MCCLCY	CYPRESS	26, 27, 34-8N-3E		241	4298	12.3	543	241	2241
			BETHEL								
			BENOIST								
1218	TROOP DRILLING	N. LCUEN U	CYPRESS	20, 21-7N-3E		692	16947	11.6	1575	763	11488
1219	TROOP DRILLING	S. LCUEN U	CYPRESS	21, 28, 29-7N-3E		599	13833	24.6	2084	689	9991
1220	TROOP DRILLING	OURBIN, FOXCE AREA	CYPRESS	24, 26-8N-3E		138	1658	11.2	295*	138	375
1221	TROOP DRILLING	HIAIT	CYPRESS	29-7N-3E		154	1989	5.8	457	154	1877
1231	TROOP DRILLING	W A EAELETON	CYPRESS	20-8N-3E		1	41	6.2	46	14	42*
MCKINLEY, WASHINGTON											
4011	JET OIL CO.	FREIMAN-HUNLETH	BENOIST	29-3S-4W		30	125	0.2	0	30	125
MAIN C, CRAWFORD, LAWRENCE, JASPER											
* 667	F. J. ACAMS	H.J. ADAMS W F	ROBINSON	28-8N-12W			1058				
* 602	ASHLAND O AND R	BIRDS 1	ROBINSON	7, 10, 15, 16-5N-11W			19507		536		
* 603	ASHLAND O AND R	BIRDS 2	ROBINSON	20-5N-11W			2512		114		605
604	BELL BROTHERS	BARKICK	ROBINSON	13-7N-13W		107	1866	4.2	131	60	767
695	C. W. BRCKOS	MULLINS	ROBINSON	9-5N-12W			15*		8*		11*
589	CLARENCE CATT	SPARKS WF NO. 1-M	BENOIST	13-16N-12W			120*		6*		4*
616	CLARENCE CATT	MC CALL	ROBINSON	1-6N-13W			6*		1*		6*
609	E. CONSTANTIN	J.S. KIRK	ROBINSON	29, 30, 31, 32-7N-12W		*	977	*	37	*	
610	E. CONSTANTIN	SMITH	ROBINSON	7-7N-12W; 12-7N-13W			337*		1*		1*
607	CREST ASSOCIATES	MITCHELL	ROBINSON	24, 25-7N-13W			935*		107*		125*
615	CREST ASSOCIATES	PORTERVILLE	ROBINSON	25, 36-8N-13W			1345*		44*		
597	L. S. OENNIS	STEVENS	ROBINSON	20-5N-11W		*	6*	*	1*	*	1*
606	FOREST OIL CO.	GROGAN (FLOOD 26)	ROBINSON	4, 5, 9-7N-13W		271	4817	42.7	357		
611	FOREST OIL CO.	OBLONG (FLOOD 25)	ROBINSON	5, 8, 9-7N-13W		401	7466	15.7	572		
669	FOREST OIL CO.	OBLONG (FLOOD 27)	ROBINSON	8-7N-13W		65	1040	9.1	138		
670	FOREST OIL CO.	STIFLE	ROBINSON	8-7N-13W		205	2473	1.7	45		
691	FOREST OIL CO.	OBLONG (FLOOD 29)	ROBINSON	17-7N-13W		3	101	7.4	50		
612	C. W. FRANCHOT	BIROS	ROBINSON	14, 15, 16, 21, 22-5N-11W		2544	45039	36.8	1437		
599	DON GAY	GEORGE L. WALTERS	ROBINSON	2-6N-13W		217	443*	3.9	7*	36	69*
* 614	GEN. OPERATIONS	LITTLEJOHN	ROBINSON	20-6N-12W			699		34		179
594	GETTY OIL CO	A.W. MANN	ROBINSON	5, 6-5N-12W; 32-6N-12W		868	3758	93.9	224	534	1387
			BETHEL								
596	GETTY OIL CO	STIFLE-MCKNIGHT	ROBINSON	7, 18-7N-13W		250	566	22.2	53	112	238
630	GETTY OIL CO	BIRCH I	ROBINSON	14-6N-13W		385	3721	20.9	393	374	1889
631	GETTY OIL CO	BIROS AREA	ROBINSON	16, 20, 21, 24, 29-5N-11W		2348	23404	76.2	1256	1687	12846
632	GETTY OIL CO	BARKICK-WALTERS	ROBINSON	18, 19-7N-12W;		2064	19687	93.8	1463	1270	7720
				13, 24-7N-13W							
633	GETTY OIL CO	GODD-HAWS	ROBINSON	16, 17, 21, 22-6N-13W		578	4861	31.6	505	502	3108
634	GETTY OIL CO	HOWARD	ROBINSON	11-7N-13W		464	3980	24.1	413	501	3332
635	GETTY OIL CO	AMES	ROBINSON	29-7N-13W		434	4536	21.1	227	234	2596
636	GETTY OIL CO	OENNIS-FARON	ROBINSON	27, 34-6N-13W		447	7801	18.5	864	350	5800
637	GETTY OIL CO	THOMPSON	ROBINSON	26, 27-6N-13W		91	1549	9.7	219	144	1836
641	GETTY OIL CO	STIFLE-CRAKE	ROBINSON	9, 10, 16-7N-13W		585	7296	31.3	501	446	4357
668	GETTY OIL CO	HIGHSMITH	ROBINSON	20, 21-6N-12W		507	3135	16.3	182	317	1543
696	GETTY OIL CO	WALTERS-STANZ	ROBINSON	14, 15-7N-13W		90	611	6.8	40	84	363
688	R. HOLLENKAMP	OBLONG	ROBINSON	9-7N-13W			402*		24*		
621	ILL. LSE. OP.	SIEHR-NEWLIN-MOUSER	ROBINSON	19-7N-13W		73	73*	11.5	12*	30	30*
680	IND. FARM BUR.	OAK RICCE	BETHEL	17-5N-12W		18	535	*	*	3	12*
681	IND. FARM BUR.	OAK RICCE U	CYPRESS	17-5N-12W		192	2974	14.4	94*	173	806*
685	IND. FARM BUR.	DENNIS HEIRS U	ROBINSON	29, 30-7N-13W		1533	21322	54.3	961	1653	6595
686	IND. FARM BUR.	C.J. BEST	ROBINSON	20, 29-7N-13W		245	2076	9.1	83	189	650*
687	IND. FARM BUR.	STEWART HEIRS	ROBINSON	21-6N-13W		458	3322	12.3	265	488	1537
689	IND. FARM BUR.	HULSE-ALLEN	ROBINSON	12, 13-7N-14W		74	287	9.6	68	14	245*
697	IND. FARM BUR.	OFES C	ROBINSON	28-6N-13W		271	1230	9.8	50	285	573
659	INLAND OIL CO	SANDERS	ROBINSON	26, 34, 35, 36-6N-13W;		*	6386*	*	110*	*	1661*
				1, 2, 3-5N-13W							
* 618	G. JACKSON	STANFIELD	ROBINSON	17-8N-12W			47		0		5
617	KEWANEE OIL CO.	WRIGHT FLOOD C	ROBINSON	23, 26-6N-13W		454	6459	19.1	235	438	3928
693	KEWANEE OIL CO.	SHILTS FLOOD C	ROBINSON	8-6N-13W		406	1653	14.7	32	276	568
619	LOGAN OIL CO.	ALEXANDER-REYNOLDS	ROBINSON	19, 20-7N-12W		330	7655	25.6	551	160	1607
620	THE MACCONELL CC	CANDREY AREA	ROBINSON	6, 7-7N-13W		160	182	48.5	58	235	235
671	THE MACCONELL CC	KIRTLAND U	ROBINSON	5-6N-13W		551	4081	9.7	125	136	961
672	THE MACCONELL CC	KIRTLAND-DEE	ROBINSON	5, 6-6N-13W		915	6994	83.8	578	890	4892

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67				Injection water			Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil grav- ity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source	Type	
								Inj.	Prod.		SD = Sand GR = Gravel PROD = Produced SH = Shallow	(F) = Fresh (B) = Brine (M) = Mixed	
Proj. No.													
LOUDEN, EFFINGHAM, FAYETTE (CONTINUED)													
1243	1530	40.0				11-56		2	4	80	TAR SPR, PROD (B)		
1209	1450	27.0			28.0	09-54		1	3	40	TAR SPR, PROD (B)		*1964-65 EST
1210	1504	30.0				08-57		4	4	85	TAR SPR, PROD (B)		
1211	1540	29.0				07-57		1	1	40	TAR SPR, PROD (B)		
1228	1504	25.0				01-58		2	3	40	TAR SPR, PROD (B)		
1234	1558	11.0				05-62		1	1	10	TAR SPR, PROD (B)		
1236	1550	15.0			29.0	09-53		4	8	60	TAR SPR, PROD (B)		*1965-67 ESTIMATED
	1580	12.0						4	7	60			
1237	1560	20.0			25.0	08-57		2	3	40	TAR SPR, PROD (B)		*1965-67 ESTIMATED
1214	1595	28.0			26.0	08-55		3	2	80	TAR SPR, PROD (B)		
1215	1590	30.0				05-57		3	4	80	TAR SPR, PROD (B)		*1966 ESTIMATED
1247	1534	22.0				01-59		2	8	100	TAR SPR, PROD (B)		*ESTIMATED 1966-67
1217	1460	25.0	19.4	93		03-56		3	3	60	TAR SPR, PROD (B) (B)		
1233	1400	30.0	19.0	95		11-62		4	2	40	TAR SPR, PROD (B) (B)		
1216	1500	12.0	18.6	91	27.5	06-57		7	5	120	TAR SPR, PROD (B)		*INCL PRIM PROD SINCE 6-57
	1560	11.0						2	4	60			
	1580	12.0						4	5	90			
1224	1450	18.0	18.4	101	27.0	01-58		12	12	240	TAR SPR, PROD (B)		*INCL PRIM PROD SINCE 1-58
	1525	20.0						12	12	240			
	1550	40.0						12	12	240			
1227	1400	20.0	18.4	102	28.3	10-58		2	2	40	TAR SPR, PROD (B)		*INCL PRIM PROD SINCE 10-58
	1420	20.0						2	2	40			
1213	1400	20.0	21.0	150	28.0	07-57		4	6	100	TAR SPR, PROD (B)		
1212	1530	30.0	20.0	200	28.0	12-55		17	18	416	TAR SPR, PROD (B)		*INCL PRIM PROD SINCE 12-55
1229	1600	25.0	18.5		27.0	05-60		13	29	632	PRODUCED (B)		
1108	1550	8.0			26.7	01-63		4	12	200	TAR SPR, PROD (B)		
1200	1515	12.0			27.5	01-54		1	1	20	PRODUCED (B)		
	1570	12.0						4	4	80			
	1590	10.0						6	6	120			
1218	1550	21.0	21.0	180	27.5	11-56		13	11	250	TAR SPR, PROD (B) (B)		
1219	1550	18.4	20.4	164	27.5	03-55		11	13	350	PRODUCED (B)		
1220	1493	30.0			27.5	10-56		4	5	160	PRODUCED (B)		*INCL PRIM PROD SINCE 10-56
1221	1536	40.0	19.0*	250*	27.2	09-56		2	3	40	PRODUCED (B)		*ESTIMATED
1231	1520	6.0			29.4	04-61		1	2	40	TAR SPR, PROD (B) (B)		*SINCE 1-65
MCKINLEY, WASHINGTON													
4011	1050	10.0				04-65		2	2	20	PRODUCED (B)		
MAIN C, CRAWFORD, LAWRENCE, JASPER													
* 667	1000	22.0	18.5	58		01-58	12-58	5	4	80	LAKE, PRODUCED (M)		
* 602	950	20.0	21.0	136	21.0	05-54	01-64	67	53	530	PENN SAND (B)		
* 603	930	25.0	21.0	125	20.8	03-57	01-66	11	9	200	GRAVEL BED, PROD (M)		
604	960	56.0	19.2	126	24.9	10-54		3	6	40	PENN SD, PROD (B)		
695	925	10.0	20.0	100	23.4	12-62		2	6	100	PENN SD (B)		*NO DATA SINCE 1963
589	1350	7.0				02-64		1	1	5	PRODUCED (B)		*NO DATA 1967
616	820	18.0		22.0		05-66		1	3	40	PRODUCED (B)		*NO DATA 1967
609	900	20.0	17.0	170	24.0	08-51		14	37	56	CITY WATER (F)		*NO DATA SINCE 1960
610	900	25.0	18.0	70	24.0	03-54		6	5	50	SURFACE (F)		*NO DATA SINCE 1956
607	890	10.5	21.1	59	23.5	06-53		13	14	78	PENN SD, PROD (B)		*NO DATA 1963-67
615	840	20.0	17.0	47	22.6	04-54		5	19	50	LAKE (F)		*NO DATA 1963-67
597	960	8.0	19.8	177	20.0	08-64		1	4	40	PURCHASED (M)		*NO DATA 1965-67
606	0950	20.4	18.9	71	27.0	10-53		11	22	151	GRAVEL BED, PROD (M)		
611	950	23.2	18.3	69	27.0	08-56		24	29	174	GRAVEL BED, PROD (M)		
669	950	15.3	17.8	33	27.0	01-58		9	8	87	GRAVEL BED, PROD (M)		
670	950	24.4	18.9	85	27.0	01-58		5	2	27	GRAVEL BED, PROD (M)		
691	950	15.0	18.6	106	27.0	01-63		1	5	22	GRAVEL BED, PROD (M)		
612	950	20.0	18.9	162	21.7	06-51		58	62	1030	RIVER GR, PROD (M)		
599	930	20.0	18.1	141	22.7	10-64		5	8	70	PENN SD, PROD (B)		
* 614	850	24.0	20.0	50	27.5	10-52	12-58	4	9	60	PENN SD, PROD (B)		
594	950	20.1	20.0	150	23.0	01-64		18	20	140	BASAL PENN, PROD (B)		
	1320	9.0	16.0	40				8	6	80			
596	950	17.3	20.0	100	34.0	04-61		6	7	38	PENN SD, PROD (B)		
630	881	34.3	19.1	108	22.0	08-54		9	7	61	GRAVEL BED, PROD (M)		
631	950	21.8	19.4	197	20.1	02-52		68	65	764	GRAVEL BED, PROD (M)		
632	950	20.9	20.0	152	25.0	03-54		43	46	407	PENN SD, PROD (B)		
633	930	24.3	21.0	378	35.0	09-57		18	22	174	PRODUCED (B)		
634	950	20.2	19.6	184	35.3	02-52		12	12	79	PRODUCED (B)		
635	980	25.3	20.0	150	35.0	10-56		15	12	153	SH SD, PROD (M)		
636	875	33.7	19.8	173	22.7	08-50		11	9	93	PURCHASED (B)		
637	860	32.9	19.8	108	23.0	09-52		4	4	40	PURCHASED (M)		
641	980	23.6	18.2	221	33.5	06-52		14	19	278	PENN SD, PROD (B)		
668	920	21.2	20.0	80	35.0	04-59		13	14	140	PENN SD, PROD (B)		
696	950	17.1	19.0	200		06-63		5	7	76	PENN SD, PROD (B)		
688	980	20.0	40.0	75	36.0	07-52		5	12	200	PRODUCED (B)		*NO DATA SINCE 1961
621	896	26.0				07-63		2	5	180	PENN SD (B)		*NO DATA BEFORE 1967
680	1590	8.0	14.0	15	35.7	10-61		1	5	420	SH WELL, PROD (M)		*INCL WITH 681 *1966-67 ONLY
681	1470	15.0	18.5	57	35.9	10-61		5	6	420	SH WELL, PROD (M)		*INCL 680 *INCL 680 UNTIL 1966
685	950	20.0	19.0	120	27.2	12-59		71	84	380	SH WELL, PROD (M)		
686	950	20.0	15.0	12	27.2	11-61		7	11	80	SH WELL, PROD (M)		*ESTIMATED
687	950	28.0	28.1	240	37.0	10-60		6	9	40	PRODUCED (B)		
689	936	50.0	18.5	74	36.8	12-61		3	5	180	PURCHASED (B)		*ESTIMATED
697	930	12.0	17.0	64	37.2	09-61		7	9	160	SH WELL, PROD (M)		
659	880	20.0	21.0	205	32.0	08-52		65	57	277	PENN SD, PROD (B)		*NO DATA SINCE 1958
* 618	977	30.0	23.0	57	26.0	06-52	08-53	3	3	20	SHALLOW SD, PROD (M)		
617	900	15.0	20.0	245	34.0	01-53		15	18	113	PENN, PROD (B)		
693	900	10.0	18.0	150	36.0	06-63		7	10	80	PENN, PROD (B)		
619	940	22.0	22.0	167	24.0	12-51		31	30	280	CYPRESS, PROD (B)		
620	910	21.0	20.8	165	24.4	11-66		3	30	310	PRODUCED (B)		
671	800	40.0	20.1	143	24.9	01-58		8	7	30	PENN SD, PROD (B) (B)		
672	913	40.0	20.8	158	26.8	01-58		24	61	330	PENN SD, PROD (B)		

TABLE 11 — WATERFLOOD OPERATIONS IN ILLINOIS, 1967 — Continued

Field, County	Project No. * = ABD + = P.M.	General information			Production and injection statistics (M bbls)						
		Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
MAIN C, CRAWFORD, LAWRENCE, JASPER (CONTINUED)											
623 MARATHON OIL CO.		24 PROJECTS *	ROBINSON	T6,7,8N-R12,13,14W	23647	305877	1414.9	24222	17995	176658	
698 MARATHON OIL CO.		FRONTON WF 21-M	BETHEL BENOIST STF. GEN.	17,18,19,20,29-7N-13W	1501	3460	298.6	591	615	1174	
592 MT. CARMEL OIL CO.		NEW FERRON WATERFLOOD	ROBINSON	22-6N-12W	209	806	14.9	70	160	395	
* 593 MT. CARMEL OIL CO.		STEWART-INBODEN	BETHEL	36-6N-12W		133		5		32	
* 624 PARTICH, COCHNER		RICH	ROBINSON	35,36-6N-12W		2716		67		1134	
* 662 PETROL. PROD. CO.		RHOES	ROBINSON	29,32-8N-12W		445					
608 PRUCENTIAL OIL		TOHILL-FUGUES	ROBINSON	27,28-6N-13W	180*	5664*	8.3*	140*			
* 625 REC HEAD OIL CO.		LIM	ROBINSON	25,26-3N-13W		4220*		105*		1103*	
* 663 REC, INC.		MESERVE UNIT	ROBINSON	11-6N-13W		251		1		39	
* 626 E. C. REEVES		HILLINGSLEY COOP	ROBINSON	34,35-7N-13W		2736*		89*		92*	
* 605 M. F. ROBERTS		RISHCP C	ROBINSON	19,20-8N-12W		2208		35			
* 627 SHAKESPEARE OIL		MCINTOSH UNIT	ROBINSON	17,18,19,20-6N-12W		396		18		241	
* 628 SHAKESPEARE OIL		MONTGOMERY UNIT	ROBINSON	32,33-6N-12W		516		18		177	
* 664 C. E. SKILES		WALTER COMM COOP	ROBINSON	1-6N-13W; 36-7N-13W		26		0		29	
598 SKILES OIL CORP.		HUGSON WF	BETHEL	6-5N-12W	61	248	2.8	6	18	25	
* 661 SKILES OIL CORP.		CORRELL-GURLEY COOP	ROBINSON	10-7N-12W		1214		30		227	
* 665 SKILES OIL CORP.		WEGER CCOP	ROBINSON	18,19-5N-11W		770		8		109	
* 595 JAMES M. STONE		MC CANE	ROBINSON	28-7N-12W		55		1		12	
629 JAMES M. STONE		CLARK-FLLSE	ROBINSON	18-7N-13W		5726		303		3981	
639 JAMES M. STONE		LEFEVER-MUSGRAVE	ROBINSON	13-7N-13W		2894		375		1479	
* 638 TIDEWATER OIL CO		HENRY-1KEMIE	ROBINSON	10,15-7N-13W		4187		470		2401	
* 640 TIDEWATER OIL CO		MONTGOMERY-SEITZINGER	ROBINSON	15,16-5N-11W		1544		67		817	
* 642 TIDEWATER OIL CO		WALTER-STAHLL COOP	ROBINSON	13,14-7N-13W		991		111		712	
* 679 WAUSAU PET. CORP.		HIGHSMITH CCOP	ROBINSON	31-6N-12W		153*		0*		37*	
591 WESFIELD, INC.		PIDLE	ROBINSON	25-8N-13W	35	102	1.8	4	7	34	
694 WICHITA RIVER		FLYNN	ROBINSON	26,35-8N-13W	359	1492	70.3	277	207	377	
* 692 GEORGE WICKHAM		PRICE,KEITH,BARLOW	ROBINSON	8,17-7N-12W		1571		59		921	
613 WOLCP OIL CO.		CULVER WATERFLOOD	ROBINSON	5,6,7-7N-12W	337	3666	12.5	155		238*	
590 ZANFIIS OIL PROP		QUICK HRS HARTLEROAD	ROBINSON	29-7N-12W	85	195	10.5	34	42	124	
MAPLE GROVE C, EDWARDS, WAYNE											
1008 ASHLAND O AND R		BENNINGTON CCOP	MCCLOSKEY	7-1N-10E		572		166			
1025 L L CHEVALIER		MAPLE GROVE	MCCLOSKEY	9,10-1N-10E	*	668	*	161	*	668	
4127 WINMAR OIL CO.		W BENNINGTON	AUX VASES	13-1N-9E		171		32*		213	
MARKHAM CITY, JEFFERSON											
*2004 GULF OIL CO		W MARKHAM CITY U	AUX VASES	3,4,9,10-3S-4E		6404		429		4477	
			MCCLOSKEY								
*2003 TIDEWATER OIL CO		NEWTON	MCCLOSKEY	1-3S-4E		*		1		7	
MARKHAM CITY W, JEFFERSON											
2020 F DOUBLE L		MARKHAM CITY WEST U	MCCLOSKEY	34,35-2S-4E; 2-3S-4E		50*		1*			
MARTINSVILLE, CLARK											
* 218 BUCHMAN, J. B.		W MORGAN	CARPER	31-10N-13W		283		0		5	
* 219 MOBIL OIL CORP.		CARPER	CARPER	30-10N-13W		1111		10*		10	
* 220 MOBIL OIL CORP.		CASEY	CASEY	19-10N-13W		872		2		34	
214 HENRY MORGAN		FROEDERMAN AND CONNELLY	PARTLOW	13-9N-14W	*	3600*	*	111*	*		
MASON N, EFFINGHAM											
1104 TEXACO, INC.		MASON N U	BENCIAT AUX VASES	9,10-6N-5E	24 43	1903 114	6.7*	132*	71*	1221*	
MATTCOON, COLES											
509 ASHLAND O AND R		NORTH MATTCOON UNIT	CYPRESS	10,11-12N-7E	216	1681	14.5	135*	58	274	
512 ASHLAND O AND R		SOUTH MATTCOON UNIT	CYPRESS	34-12N-7E; 3-11N-7E	970	5656	90.6	970	754	1500	
			AUX VASES								
* 515 ASHLAND O AND R		DEGLER BROS COOP	CYPRESS	3-12N-7E		459		22		174	
			SPAR MTN								
507 N. A. PALDRIDGE		UCCELL	SPAR MTN	10-11N-7E	43	126	0.0	0	43	126	
* 504 DELL CARROLL		MATTCOON	CYPRESS	23-12N-7E		189		20		88	
* 506 DELL CARROLL		MATTCOON	SPAR MTN	23-12N-7E		348		84		173	
516 DELL CARROLL		CARLYLE 4-A	SPAR MTN	11-11N-7E	4	25	6.2	12	2	3	
503 WALTER DUNCAN		REOMAN-MACKC	CYPRESS	23-12N-7E	30	217	4.4	45	29	263	
			SPAR MTN								
511 WALTER DUNCAN		OHM	CYPRESS	2,3-11N-7E	157	944	38.9	172	38	77	
			SPAR MTN								
514 WALTER DUNCAN		ARTHUR-OLIVER	SPAR MTN	2-12N-7E	296	1237	49.0	121	102	210	
521 WALTER DUNCAN		COLEMAN UNIT	SPAR MTN	10-11N-7E	89	170	13.9	16	13	14	
500 FUMBLE C AND R		MATTCOON	CYPRESS	23,24,25,26,27,34,35, 36-12N-7E; 2,11-1N-7E	732	17624	70.5	1766	539	8551	
			SPAR MTN								
520 KINGWOOD OIL CO.		MATTCOON COOP	SPAR MTN	10,11-11N-7E	87	151	13.6	15	14	16	
* 501 PHILLIPS PET. CO		TINSLEY	SPAR MTN	22-12N-7E		249		15		144	
517 STEVEN, FCRSYTHE		G. BRINING	AUX VASES	3-11N-7E	30*	108*	5.7*	28*	10*	29*	
			SPAR MTN								
MATTCOON N, COLES											
518 FAR-KEN OIL CO.		N.W. MATTCOON WF	SPAR MTN	22-13N-7E	135	458	19.0	95*	122	323	

TABLE 11 -- WATERFLOOD OPERATIONS IN ILLINOIS, 1967 -- Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67				Injection water		Remarks	
	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (*API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source		Type
								Inj.	Prod.		SD = Sand GR = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
Proj. No.													
MAIN C, CRAWFORD, LAWRENCE, JASPER (CONTINUED)													
623	920	20.0	19.5	125	34.0	C5-48		642	627	6176	GRAVEL BEQ, PROD (M)	*WILKIN, HUGHES, BRIDGEMAN, HARGIS, REED, DRAKE, COOLEY, FAWLEY, WILSON, EATON, HENRY, ARNOLD, PRICE, BARNES, WOOD, YORK, WOODWORTH, SHILTS, BONO, KIRTLAND, SHIRE, HAMILTON, CARLTON, MANN	
698	1340	10.0	15.0	30	38.0	07-63		22	24	600	GRAVEL BEQ, PROD (M)		
	1390	8.0						22	23	600			
	1450	8.0						23	25	600			
592	930	14.0	15.8	16	36.0	C1-63		8	16	130	PENN SD (B)		
* 593	1310	10.0	16.0	45	34.0	C3-64	07-66	2	2	50	PENN SD, PROD (B)		
* 624	1006	22.0	24.2	240	26.0	10-54	12-61	5	9	60	LAKE, PROD (M)		
* 662	1000	15.0	20.0	75	35.7	C9-51	12-56	4	2	40	SH SD, PROD (M)		
608	900	20.0	20.0	100	32.0	06-51		6	9	130	SH SD, PROD (M)	*1956-61, 1967 ESTIMATED	
* 625	840	10.5	21.2	98		07-53	12-62	16	14	103	PENN SD, PROD (B)	*1960, 1961 ESTIMATED	
* 663	950	22.7	21.9	89		11-53	05-55	4	4	20	PENN SD (B)		
* 626	925	20.0	30.0	45		12-53	07-64	6	8	115	PENN SD (B)	*NO DATA FROM 1961 THRU 1964	
* 605	1000	22.4	22.1	156	35.7	11-53	02-60*	26	7	70	SHALLOW FR, PROD (M)	*ESTIMATED	
* 627	925	12.0			32.6	C7-54	01-59	4	8	39	PENN SD (B)		
* 628	975	25.8	22.6	150	28.3	05-54	05-58	6	6	52	PENN SAND (B)		
* 664	985	12.5	20.1	93	36.0	12-51	01-53	5	6	40	PENN SD, PROD (B)		
598	1320	10.0			35.0	C4-64		2	1	20	SH SD (F) F		
* 661	1035	20.0	22.2	100	33.0	07-51	05-55	18	17	180	PENN SD, PROD (B)		
* 665	900	20.0	17.0	37		11-52	07-56	9	11	90	CREEK, PROD (M)		
* 595	1128	30.0	19.0	200		03-65	06-66	1	4	5	PENN SD (B)		
629	910	25.4	19.9	278	34.0	01-52		13	4	80	SH SD, PROD (M)	*NO DATA 1967	
639	910	24.4	20.0	250	34.0	C2-54		14	14	119	SH SD, PROD (M)	*NO DATA 1967	
* 638	935	14.6	21.0	175	35.0	C7-48	12-63	24	44	104	PENN SD, PROD (B)		
* 640	979	21.0	19.0	144	32.0	C5-54	12-65	6	3	64	SH SD, PROD (M)		
* 642	987	15.9	20.0	100	35.0	11-54	07-65	7	2	56	PENN SD, PROD (B)		
* 679	890	20.0	21.5	50	32.0	C9-51	04-59	13	23	130	PENN SD (B)	*LAST DATA AS OF 12-31-52	
591	1000	10.0	15.0	85	34.0	C7-61		3	6	90	PRODUCED (B)		
694	980	12.0	18.6	200	37.4	11-63		13	19	210	LAKE, PROD (M)		
* 692	1050	10.0			30.0	05-62	09-66	2	3	30	PENN SD, PROD (B)		
613	950	17.0	19.5	108	36.8	02-61		13	20	126	PCNO, PROD (M)	*1966 DATA ONLY	
590	935	12.0	19.3	36	27.0	11-64		3	9	60	PRODUCED (B)		
MAPLE GROVE C, EDWARDS, WAYNE													
*1008	3100	5.0			38.0	09-52	06-61	2	7	110	PRODUCED (B)	*INCLUDES PRIMARY PROD	
1025	3270	8.0			36.0	07-61		5	5	360	CYPRESS, PROD (B)	*NO DATA 1967	
*4127	3150	15.0	24.0	50	37.0	C1-57	12-61	1	5	60	CYPRESS SD (B)	*ESTIMATED	
												* INCLUDES PRIMARY SINCE 5-57	
MARKHAM CITY, JEFFERSON													
*2004	2900	11.8	22.1	269	38.0	C4-54	12-63	12	9	230	CYPRESS, PROD (B)		
	3000	7.0	15.4	230				7	7	150			
*2003	3090	6.0				C8-55	12-56	1	1	40	CYPRESS (B)	*DUMP FLOOD	
MARKHAM CITY W, JEFFERSON													
2020	3050	10.0			36.0	C9-64		1	2	270	CYPRESS (B)	*NO DATA SINCE 1964	
MARTINSVILLE, CLARK													
* 218	1346	40.0	16.0	11	30.0	10-52	12-53	2	6	40	SH SAND (F)		
* 219	1334	27.0				C1-51	02-55	4	1	10	SH GRAVEL (F)	*INCL PRIM PROD 1-51 TO 2-55	
* 220	464	25.0				08-50	12-54	8	3	23	SH GRAVEL (F)		
214	530	25.0	24.0	43	32.0	01-56		50	42	240	LAKE (F)	*NO DATA SINCE 1959	
MASCON N, EFFINGHAM													
1104	2280	11.0	16.0	24	38.0	10-58		4	4	100	TAR SPR, PROD (B)	*INCL BOTH PAYS	
	2344	17.0				C8-65		1	1	30			
MATTOON, COLES													
509	1800	10.0	18.0	40	39.0	02-61		8	5	360	PENN SD (B)	*INCL PRIM PROD SINCE 2-61	
512	1800	14.6	20.0	54	39.0	C3-62		13	16	300	GRAVEL BEQ (F)		
	1910	10.0						6	4	100			
	1980	11.0	12.6	57				17	19	400			
* 515	1722	10.0			38.4	12-63	02-67	2	5	80	PURCHASED (B)		
	1920	10.0											
507	1980	19.0			35.0	C4-66		2	2	50	PRODUCED (B)		
* 504	1770	9.0				C4-59	12-66	4	7	100	PURCH, PROD (B)		
* 506	1970	10.0			37.0	C4-59	12-66	4	7	100	PURCHASED, PROD (B)		
516	1975	12.0			36.0	C5-64		4	2	35	PURCHASED (B)		
503	1770	10.0				C6-59		1	1	20	PROD, FRESH*(M) +	*FRESH WATER IS SEWAGE EFFLUENT	
	1970	9.0						2	2	40			
511	1800	20.0				08-62		8	3	110	GRAVEL BEQ (F)		
	1970	12.0						8	4	115			
514	1930	8.0				C2-63		6	8	180	SH SD, PROD (M)		
521	1920	11.0				C4-66		3	2	40	GRAVEL BEQ, PROD (M)		
500	1750	13.0	16.0	84		C5-52		20	25	850	PROD, SEWAGE EFF (M)		
	1950	12.0						20	28	900			
520	1960	10.0	12.0			04-66		3	6	200	SH SD (F)		
* 501	1950	10.0	15.0	990	37.0	11-50	12-54	2	5	70	PRODUCED (B)		
517	1920	10.0			37.0	11-64		1	3	40	PURCHASED (F)	*ESTIMATED 1966-67	
	1970	15.0						1	1	40			
MATTOON N, COLES													
518	1900	6.0	14.7	167	38.9	03-64		4	9	130	SH SD, PROD (M)		

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	General information				Production and injection statistics (M bbls)						
	Project No. * = ABD + = P.M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
MAUNIE N C, WHITE											
4384	HERNDON DRILLING	MAUNIE WF U	BRIDGEPORT		24,25,36-5S-10E	571	1181	65.9*	1371*	387*	1018*
			BETHEL			526	1443				
			AUX VASES			161	331				
			MCCLCSKY			55	148				
4328	KIRBY PETROLEUM	ACKERMAN	SPAR MTN		23,26-5S-10E	25*	272	3.8*	36	15*	126
4282	LOUIS PESSINA	RIBEYRE ISLAND UNIT	WALTERSBURG		19,30-5S-14W	*	790		175		346
			TAR SPRINGS								
4272	G. SCHOENMAKER	MAUNIE W UNIT	AUX VASES		35-5S-10E; 2-6S-10E		2720		184*		1737*
4356	TEXACO, INC.	M B BOELEBER	AUX VASES		26-5S-10E	145	145	1.3*	1*	39*	39*
			MCCLCSKY			77	77				
*4405	WALKER DRUG CO.	GRAY	BETHEL		2-5S-10E		69		1		7
			AUX VASES								
MAUNIE S C, WHITE											
4213	RHEA FLETCHER	PALESTINE SAND UNIT	PALESTINE		18-6S-11E, 13,24-6S-10E	*	13535	*	1721	*	12150
4230	MOBIL OIL CORP.	TAR SPRINGS U	TAR SPRINGS		19-6S-11E 24,25-6S-10E		4748		792		2049
4239	MOBIL OIL CORP.	MAUNIE CUOP	TAR SPRINGS		24-6S-10E		180		11		102
*4268	MOBIL OIL CORP.	TAR SPRINGS L 2	TAR SPRINGS		24-6S-10E; 19-6S-11E		639		60		209
4273	BERNARD PUODLSKY	ARNOLD UNIT	CYPRESS		7,18-6S-11E	97	336	34.1	117	14	74
4265	REBSTUCK OIL CO.	SOUTH CLEAR POND	PALESTINE		12-6S-10E	300*	2097	5.1*	141	68*	428
			TAR SPRINGS								
MELROSE, CLARK											
* 227	SHAKESPEARE OIL	MELROSE U	PENN		13,24-9N-13W		192		4		2
MILETUS, MARION											
2632	FEAR AND OUNCAN	JONES NO 1	BENOIST		16-4N-6E	6	42	1.0	1	6	37
MILL SHOALS, HAMILTON, WAYNE, WHITE											
4352	AMERICAN PUMP	MCINTOSH U	AUX VASES		31-3S-8E; 16-4S-8E	630*	3494	45.0*	315	500*	1979
4410	COY OIL CO	BROWN ET AL	AUX VASES		32-3S-8E	147	240	21.3	29	29	42
4386	R. C. DAVICUS	MILL SHOALS U	AUX VASES		19,20-3S-8E	520*	1588	50.0*	148	275*	644
*1505	BARRON KICO	GARDNER	AUX VASES		24-3S-7E				28		
4133	SHULMAN BROTHERS	POORMAN-FOX	AUX VASES		18-3S-8E	97	97	2.7	3	22	22
4411	TAKARACK PET.	E. MILL SHOALS	AUX VASES		20,29-3S-8E	364	1129	25.8	62	220	348
4183	TEXACO, INC.	A. J. POORMAN 'A'	AUX VASES		19-3S-8E	203	568	15.1	47	100	198
4337	TEXACO, INC.	MILL SHOALS COOP	AUX VASES		31,32-3S-8E	83	1652	4.2	137	27	669
1506	SAM TIPPS	B. R. GRAY, TRUSTEE	AUX VASES		1-4S-7E		3211		349		1444*
4363	H. WEINERT EST.	MILL SHOALS UNIT	AUX VASES		30-3S-8E	1031	5435	25.6	303	612*	2449
4397	H. WEINERT EST.	WEST MILL SHOALS UNIT	AUX VASES		20,29,30-3S-8E	288	637	31.0	68		
MT CARMEL, WABASH											
*3941	FIRST NATL PET	SHAW-COURTIER	CYPRESS		7-1S-12W		259		28		9
*3946	FIRST NATL PET	SHAW-COURTIER	BIEHL		7-1S-12W		364		69		148
*3919	T. W. GEORGE	NORTH MT. CARMEL	CYPRESS		4,5-1S-12W		350		29		
3958	T. W. GEORGE	DUNKEL-JOHNSON	CYPRESS		32-1N-12W		400		22		
3884	H AND H OIL CO	C. F. CHAPMAN	TAR SPRINGS		7,18-1S-12W	5	169	0.1	10	12	95
3923	H AND H OIL CO	CHAPMAN-COURTIER U	CYPRESS		7,18-1S-12W	58	1452	2.3	296	58	851
3864	ILL. LSE. UP.	SHAW	CYPRESS		7-1S-12W	39	39	10.9	11	21	21
3918	ILL. LSE. OP.	WABASH UNIT	MCCLCSKY		5-1S-12W	46	263*	4.7	56*	24	*
3882	MOBIL OIL CORP.	CAMPBELL HEIRS	CYPRESS		7-1S-12W	97	305	9.9	13	7	9
*3921	ELMER M NGVAK	MT. CARMEL UNIT	CYPRESS		17-1S-12W		1763		129		
3872	SANDS OIL CO.	CROW-MILLER	CYPRESS		8-1S-12W	*	0*	13.0+	59*		8
3922	SHELL OIL CO.	MT. CARMEL UNIT	CYPRESS		17,18-1S-12W	526	10164	121.3	1304	569	7275
3885	SKILES OIL CORP.	PALMYRA U	TAR SPRINGS		5-1S-12W	54	154	*	*	*	*
3887	SKILES OIL CORP.	CLAY MCCELLER	CYPRESS		5-1S-12W	45	174	1.3	14	32	104
3888	SKILES OIL CORP.	PALMYRA U	CYPRESS		5-1S-12W	144	525	*	*	*	*
3889	SKILES OIL CORP.	PALMYRA U	CYPRESS		5-1S-12W	144	526	*	*	*	*
3890	SKILES OIL CORP.	PALMYRA U	BIEHL		5-1S-12W	47	171	16.9*	62*	168*	469*
*3924	SKILES OIL CORP.	W MT. CARMEL	TAR SPRINGS		18,19-1S-12W		895		138		513
3977	SKILES OIL CORP.	W. MT. CARMEL	CYPRESS		18,19-1S-12W	163	610	23.5	86	57	242
3862	SPARTAN O AND G	BAIRD-SCHULER	BIEHL		20-1S-12W	18*	18	3*	3	5*	5
3897	SUPERIOR OIL CO.	R. V. Z. UNIT	CYPRESS		8,9-1S-12W	81	493	54.6	217	63	147
3983	SUPERIOR OIL CO.	MT. CARMEL N. U.	BIEHL		4,9-1S-12W	252	2113	22.9*	335*	221*	818*
3984	SUPERIOR OIL CO.	MT. CARMEL NORTH UNIT	CYPRESS		4,9-1S-12W	69	1358	*	*	*	*
3917	TAMARACK PET.	G. DUNKEL	BIEHL		5-1S-12W		252		28		42*
3880	TEXACO, INC.	COUCH-NOLLER	CYPRESS		16-1S-12W	49	214	4.8*	16*	16*	65*
3925	TEXACO, INC.	STEIN LEASE	TAR SPRINGS		3-1S-12W	120	327	1.6*	100*	18*	138*
			CYPRESS			56	263				
3873	TEXACO, INC.	KUHN UNIT	BRIDGEPORT		16-1S-12W	102	203	21.3*	42*	135*	171*
			CYPRESS			203	506				
3875	TEXACO, INC.	STEIN UNIT	TAR SPRINGS		5-1S-12W	87	308	7.4*	37*	50*	109*
			CYPRESS			92	300				
3876	TEXACO, INC.	GEIGER-STECKLER	BIEHL		8,9,16-1S-12W	149	557	*	*	*	*
3877	TEXACO, INC.	GEIGER-STECKLER U	TAR SPRINGS		8,9-1S-12W	62	130	*	*	*	*
3878	TEXACO, INC.	GEIGER-STECKLER U	CYPRESS		8,9-1S-12W	242	1048	45.2*	278*	130*	506*
3879	TEXACO, INC.	COUCH-NOLLER	BIEHL		16-1S-12W	35	269	*	*	*	*
NEW HARMONY C, EDWARDS, WABASH, WHITE											
4283	ABSHER OIL CO.	CALVIN-FON UNIT	TAR SPRINGS		9-4S-14W	100*	3544*	5.5*	403*	100*	2523*
			CYPRESS								
			BETHEL								
			AUX VASES								
3926	ASHLAND O AND R	N. MAUD (WALLACE A, B)	BETHEL		5,6,7,8-2S-13W	25	655	5.9	150	12	111
*3927	ASHLAND O AND R	RAVENSTEIN	BETHEL		32-1S-13W		99		59		8
4316	BELL BROTHERS	SKILES	CYPRESS		16-4S-14W	209	1395	9.5	140	105	539
			BETHEL								
			AUX VASES								
4218	CALSTAR PET.	FORO	AUX VASES		20,21,22-4S-14W	2	239	1.0*	465*		
4219	CALSTAR PET.	FORO 'B'	BETHEL		21-4S-14W		1113		104		

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67				Injection water		Remarks	
	Proj. No.	Depth (ft)	Net pay thick-ness (ft)	Poros-ity (%)	Perme-ability (md)	Oil grav-ity (°API)	Date first inj.	Date sbd.	No. of wells		Acres under inj.		Source SD = Sand GR = Gravel PROD = Produced SH = Shallow Type (F) = Fresh (B) = Brine (M) = Mixed
									Inj.	Prod.			
MAONIE N C, WHITE													
4384	1350	10.0				24.0	C8-64		0	4	40	RIVER GRAVEL (F)	*INCL ALL PAYS
	2800	15.0							13	16	290		
	2950	15.0							5	8	140		
	3020	4.0							2	5	50		
4328	3035	4.0				26.0	08-61		1	2	80	GRAVEL, PROD (M)	*ESTIMATED
4282	2305	6.0	18.4	204	26.0	05-59			8	6	115	GRAVEL, PROD (M)	*INJ TEMP SUSPENDED 1-66
	2345	10.0											
*4272	2950	13.0	15.4	37	28.0	10-58	10-66		12	12	310	GRAVEL BED (F)	*ESTIMATED 1965-66
4356	2940	15.0		30	27.0	04-67			4	4	80	PRODUCED (B)	*INCL BOTH PAYS
	3050	8.0				27.0			2	4	80		
*4405	2830	10.0					06-65	C1-67	1	2	30	PENN SD (B)	
	2940	10.0											
MAONIE S C, WHITE													
4213	2010	13.5				26.6	C2-53		18	19	448	GRAVEL, PROD (B)	*TEMP ABO 4-64
*4230	2270	14.0	19.0	612	27.3	08-47	12-57		12	13	230	GRAVEL, PROD (M)	*INCL PRIM PROD, 8-47 TO 12-57
*4239	2275	14.0				28.0	11-55	C1-58	2	5	70	GRAVEL, PROD (M)	*INCL PRIM PROD
*4268	2275	14.0	17.0	550	37.0	11-49	12-54		3	2	50	SH GRAVEL (F)	
4273	2590	4.7	15.5	44	26.2	C2-64			5	6	194	PENN SD, PROD (P)	
4265	2000	8.0				25.0	06-57		2	4	60	PENN SD, PROD (B)	*ESTIMATED
	2200	10.0							6	8	150		
MELROSE, CLARK													
* 227	845	9.0	17.0	20	34.8	12-60	C2-62		5	6	105	SH SAND (F)	
MILETUS, MARION													
2632	2150	8.0					10-66		1	1	20	PRODUCED (B)	
MILL SHOALS, HAMILTON, WAYNE, WHITE													
4352	3220	21.0	20.0	195	39.0	C6-62			7	12	373	GRAVEL, PROD (M)	*ESTIMATED
4410	2225	12.0	18.0	125	27.0	11-65			3	3	60	GRAVEL (F)	
4386	2220	18.5	18.5	75	35.0	C8-64			3	8	188	CREEK, PROD (M)	*ESTIMATED
*1505	3243	11.0				09-56	12-62		1	2	30	HARDINSBURG (B)	
4133	3235	25.0				27.0	C7-67		2	7	140	SH SD, PROD (M)	
4411	2250	12.5	19.6	125	28.3	03-65			5	8	225	CREEK, PROD (M)	
4183	3212	16.0	22.0	130	27.0	08-64			2	4	60	GRAVEL BED, PROD (M)	
4337	3200	19.0	15.8	58	26.0	C9-61			1	2	200	GRAVEL BED, PROD (M)	
*1506	3245	11.0	21.0			27.0	C5-52	12-65	10	4	170	GRAVEL BED (F)	*ESTIMATED, 1961-1965
4363	2200	22.0	21.0			25.8	C8-62		13	8	220	GRAVEL BED (F)	*ESTIMATED
4397	3240	19.0					C9-65		4	13	376	SH SC (F)	
MT CARMEL, WABASH													
*3941	2050	12.0					C4-53	12-57	1	4	50	SHALLOW SAND (F)	
*3946	1375	16.0				40.2	C2-50	12-59	1	2	30	PROD, FRESH (M)	
*3919	2000	14.0				25.4	C8-55	12-61	3	4	70	PENN SAND (B)	
*3958	2000	12.0					10-57	C2-62	4	5	100	SHALLOW SAND (F)	*ESTIMATED
*3884	1766	10.0				33.0	05-64	C4-67	1	1	10	PRODUCED (B)	
3923	2050	19.0	16.5	159	27.0	C1-55			3	3	75	PRODUCED (B)	
3864	2076	7.0				C5-67			1	5	80	PENN SD (B)	
3918	2307	8.0				10-57			1	2	30	PRODUCED (B)	*NO DATA 1963-1966
3882	2030	11.5	17.2	32	26.0	07-64			2	4	60	SH SD, PROD (M)	
*3921	2140	13.0				23.0	C7-54	12-61	6	15	234	SHALLOW SD, GRAV (F)	
3872	2010	11.0							0*	2	20*		*LOC ADJ TO WF *EST 1965-67
3922	2075	13.6	19.0	182	25.2	C7-54			18	25	325	WABASH RIVER (F)	
3885	1670	10.0				27.4	C4-64		1	4	25	SH SD, PROD (M)	*INCL WITH 3890
3887	1995	15.0				25.0	11-63		1	1	20	SH SD, PROD (M)	
3888	1990	12.0				27.4	11-63		4	9	136	SH SD, PROD (M)	*INCL WITH 3890
3889	2050	12.0				27.4	11-63		3	9	127	SH SD, PROD (M)	*INCL WITH 3090
3890	1510	8.0				26.0	11-63		1	3	20	SH SD, PROD (M)	*INCL 3885, 3888, 3089
*3924	1730	6.0					10-55	C7-63	3	3	70	PRODUCED (P)	
3977	2046	10.0	17.0	83	25.0	C9-61			3	4	80	SH SD (F)	
3862	1475	10.0				C7-67			2	3	60	PRODUCED (P)	*ESTIMATED
3897	2010	11.0	16.0	51	27.0	06-63			5	6	193	RIVER GRAVEL (F)	
3983	1450	13.0	18.0	200	25.7	C9-61			4	7	120	RIVER GR, PROD (M)	*INCL 3984
3984	1950	7.2	16.0	34	27.4	C9-61			2	4	243	RIVER GR, PROD (M)	*INCL WITH 3983
*3917	1500	6.7	15.3	310	26.6	06-52	C1-58		2	3	70	SHALLOW SD, GRAV (F)	*DATA FOR 1954 ESTIMATED
3880	1990	12.0				25.0	C3-64		1	1	50	SH SD, PROD (M)	*INCL 3879
3925	1710	12.0	18.5	221	22.4	C3-64			3	1	116	SH SD, PROD (M)	*INCL FORMER PROJ 3874
	2010	11.0	17.0	29	22.4				3	1	73		INJ DISCONTINUED 7-67
3873	1350	10.0				25.0	07-64		2	1	30	GRAVEL BED, PROD (M)	*INCL BOTH PAYS
	1900	12.0							4	5	111		
3875	1710	12.0				32.4	C4-64		1	2	40	SH SD, PROD (M)	*DATA FOR BOTH PAY ZONES
	2010	11.0	17.0	29			C4-64		2	1	73		
3876	1490	14.0				25.0	03-64		3	5	110	SH SD, PROD (M)	*INCL WITH 3878
3877	1710	12.0	18.5	221	32.4	C7-64			1	2	30	SH SD, PROD (M)	*INCL WITH 3878
3878	1990	12.0				25.0	03-64		7	10	182	SH SD, PROD (M)	*INCL 3876, 3877
3879	1490	14.0				25.0	C3-64		1	1	50	SH SD, PROD (M)	*INCL WITH 3880
NEW HARMONY C, EDWARDS, WABASH, WHITE													
4283	2350	9.0					01-59		1	2	30	GRAVEL BED (F)	*ESTIMATED 1964-67
	2550	6.0							5	5	100		
	2800	6.0							3	5	80		
	2900	14.0							6	6	120		
3926	2650	6.5	16.0	60	27.5	04-56			6	4	130	GRAVEL BED, PROD (M)	
*3927	2650	7.0	7.0	16	28.4	05-57	12-66		0	2	20	GRAV BED, PROD (M)	
4316	2550	15.0	17.5			28.9	08-61		2	2	40	SH SD (F)	
	2700	12.0	16.8						1	2	30		
	2850	10.0	19.0						4	4	80		
4218	2840	18.3	15.0	20	23.1	01-56			1	2	200	SH SD (F)	*ESTIMATED 1965-67
*4219	2695	12.0				27.5	03-53	C4-60	1	3	40	GRAVEL BED (F)	

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	General information				Production and injection statistics (M bbls)						
	Project No. * = ABD + = P.M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
NEW HARMONY C, EDWARDS, WABASH, WHITE (CONTINUEU)											
4305	CALSTAR PET.	FORD 'A'		WALTERSBURG TAR SPRINGS CYPRESS BETHEL AUX VASES	16,21-4S-14W	30* 50* 90* 30* 230*	212* 388* 1025* 256* 1733*	20.0*	356**		
4329	CALSTAR PET.	M.S. DONALD		BETHEL AUX VASES	21-4S-14W	86* 53	629* 977	12.4*	238*		*
*3980	OELL CARROLL	FRIENDSVILLE FIELD		CYPRESS	11-1S-13W		345		80		134
3985	CITIES SERVICE	FOST-LEY UNIT		BIHEL	3-1S-13W	182	938	4.6	67	16	68
3986	CITIES SERVICE	FOST-LEY UNIT		CYPRESS	3-1S-13W	9	465	5.3	126	37	186*
3870	CONTINENTAL OIL	MAUD NW UNIT		WALTERSBURG	27,34-1S-13W	289	786	37.4	159	114	240
3893	CONTINENTAL OIL	MAUD UNIT		WALTERSBURG CYPRESS	34,35-1S-13W	168*	509*	59.6*	207*	70*	160*
3960	CONTINENTAL OIL	A.E. SCHULTZ 'A'		BETHEL	8,17-2S-13W	293	1064	27.4*	366*	175*	830*
3961	CONTINENTAL OIL	A.E. SCHULTZ 'A'		CYPRESS	8,17-2S-13W	109	1217	*	*	*	*
3995	CONTINENTAL OIL	J.W. REISINGER		CYPRESS	4-2S-13W	0	93	2.4	98	27	121
3963	COY OIL CO	KERWIN U		BIHEL	14,15,22-3S-14W	248	2908	69.0	1128	223	1864
3988	COY OIL CO	KERWIN UNIT		BETHEL	14,15,22-3S-14W	251	2683	*	*	*	*
*3989	COY OIL CO	KERWIN UNIT		AUX VASES	14,15,22-3S-14W		90		*	*	*
4338	COY OIL CO	GRAY		AUX VASES	20-4S-14W		814		105		454*
*4339	CUY OIL CO	GRAY		BETHEL	20-4S-14W		150		*	*	*
4368	COY OIL CO	B. R. GRAY		CYPRESS BETHEL AUX VASES	17-4S-14W	9 51 107	587 449 863	31.1*	279*	181*	839*
*3994	B. R. DUNCAN	DUNKEL		CYPRESS	11-1S-13W		115		12		36
4313	WALTER DUNCAN	C. HUGHES		CYPRESS BETHEL AUX VASES	17-4S-14W	250 150 330	1529 1294 2026	16.3*	442*	440*	2410*
4371	FARRAR OIL CO.	FURU		AUX VASES	21-4S-14W	2	229	3.2	131	16	44
4227	FOREST OIL CO.	BOWMAN'S BEND UNIT		TAR SPRINGS	15,16,21,22-5S-14W	460	7945	29.1	2374	358	4582
3929	G R COMPANY	SHULTZ		CYPRESS	7-3S-13W		2693		175**		1982**
3730	G R COMPANY	SHULTZ		CYPRESS	7-3S-13W		816		*		356**
4330	V. R. GALLAGHER	CREATHEUSE-WALT. UNIT		WALTERSBURG	32-4S-14W		102		122		40
3907	T. W. GEORGE	EAST MAUD		BETHEL	32,33-1S-13W		98		55		
*3947	T. W. GEORGE	EAST MAUD		CYPRESS	32,33-1S-13W		31		55		
3959	T. W. GEORGE	KEENSBURG UNIT		CYPRESS	9-2S-13W	573	7652	24.0	801	599	3898
4242	GETTY OIL CO	O. R. EVANS		BIHEL CYPRESS BETHEL AUX VASES MCCLOSKEY	4-4S-14W	342	7296	34.3	654	272	3020
4354	GETTY OIL CO	WABASH RIVERBEND U		BIHEL CYPRESS AUX VASES	33-3S-14W		250*	4.6*	64*	15*	157*
4312	HARMON AND GNYRS	FITTON 'A' UNIT		AUX VASES	29-4S-14W	*	794	*	101	*	332
4226	HERNDON DRILLING	CALVIN		CYPRESS BETHEL AUX VASES	5,8-4S-14W	136 63 220	1669 2697 10391	33.4*	2804*	380*	2774*
3891	IND. FARM BUR.	SCHRODT STATION S.U.		CYPRESS	3-2S-13W	227	779	5.6	28	14	91
3892	IND. FARM BUR.	SCHRODT STATION MID U		CYPRESS	34,35-1S-13W	100	420	18.3	103	45	113*
*3955	IND. FARM BUR.	LANDIS-GOINS		CYPRESS	3-2S-13W		62		11		108
4300	IND. FARM BUR.	REEVES UNIT C		CYPRESS AUX VASES MCCLOSKEY	28-3S-14W	210	2122	36.7	115	236	588*
4392	IND. FARM BUR.	CALVIN WATERFLOOD C		AUX VASES	22-4S-14W	78	476	13.5	28	1	3
4303	BARRON KIUU	ALLEN ERAY 'H' C		AUX VASES	20-4S-14W	9	86	5.0	72*		
3896	LUBOIL COMPANY	HELM		TAR SPRINGS	22-3S-14W	162	716	*	*		
3936	LUBOIL COMPANY	HELM		CYPRESS A	22-3S-14W	52	1797	*	*		
3937	LUBOIL COMPANY	HELM		CYPRESS C	22-3S-14W	126	2420	*	*		
3938	LUBOIL COMPANY	HELM		AUX VASES	22-3S-14W	255	6189	110.5*	4001*		
3939	LUBOIL COMPANY	HELM		BENCIST	22-3S-14W	248	7600	*	*		
*3940	LUBOIL COMPANY	HELM		WALTERSBURG	22-3S-14W		3306		*		
3965	LUBOIL COMPANY	HELM		BIHEL	22-3S-14W	16	533	*	*		
4276	MARFF PET. CORP.	U. SMITH 1,4,11		CYPRESS BETHEL AUX VASES	4-4S-14W	59	458*	8.3	56*		
4416	W. C. MCRIE	INDIANA STATE-EVANS		CYPRESS	4-4S-14W						
3981	MUBIL OIL CORP.	G.A. STURMAN		BIHEL CYPRESS	10-1S-13W	18	350	2.5	74	18	112
4274	MOBIL OIL CORP.	J.J. BONO		CYPRESS BETHEL AUX VASES	8-4S-14W	442	3746	15.3	423	121	1521
3982	MT. CARMEL ORLG.	FRIENDSVILLE U		CYPRESS	2,11-1S-13W	117	1598	5.3	323	31	744
3895	NAPCO	EPLER FLOOD		WALTERSBURG	6-2S-13W	117	544	26.2	209	72	287
3886	PHILLIPS PET. CO	N. MAUD UNIT		CYPRESS CHARA	13,24-1S-14W	144	471	26.6	80	139	377
3967	RK PET. CORP.	COWLING U		CYPRESS	23,25,26,35,36-2S-14W	303	2430	31.7	425	108	450
4401	PEBSTOCK OIL CO.	NATIONAL BANK WF U		TAR SPRINGS	19,20,29-4S-14W	170*	419*	14.2*	140*	25*	62*
3962	ROSSI OIL CO.	4 W		CYPRESS	26-1S-13W	58	457	14.2	117	58	457
4220	RULEO OIL CORP.	MAURIE N U		AUX VASES	18,19-5S-14W	2420	2592*	9.6	332*		
4398	J. W. SCHULLER	BRAMLETT		CYPRESS BETHEL AUX VASES	17-4S-14W	216	1092	23.1	260	151	241
3928	SHAKESPEARE OIL	BRINES U		BETHEL	20,21,28,29-1S-13W	509	8343	19.8	1437	214	4958
4216	JOE SIMPKINS OIL	HON-BLNP-CRAWFORD		CYPRESS BETHEL AUX VASES	32,33-3S-14W;5-4S-14W	150* 25* 150*	2411* 202* 2360*	39.9**	590**	350**	2704**
*4217	JOE SIMPKINS OIL	AKKOW-MC BRIDE ETAL		MCCLOSKEY	5-3S-14W;32,33-4S-14W		762		1		
4320	JOE SIMPKINS OIL	BCULTINHOUSE		TAR SPRINGS CYPRESS SAMPLE BETHEL AUX VASES	9,16,17-4S-14W	1500*	10467*	21.0*	743*	1300*	7637*
4317	SKELLY OIL CO.	CROSSVILLE LEASE		CYPRESS BETHEL AUX VASES	20-4S-14W	300*	1874	7.8*	32	160*	575
4393	SKELLY OIL CO.	DALY 'A'		CYPRESS BETHEL AUX VASES	17-4S-14W	200	538	11.8	99	90	251

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County		Reservoir statistics (avg. value)				Development as of 12-31-67				Injection water		Remarks
		Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (°API)	Date first inj.	Date sbd.	No. of wells		Acres under inj.	Source SD = Sand GR = Gravel PROD = Produced SH = Shallow	
Proj. No.	Depth (ft)							Inj.	Prod.			
NEW HARMONY C, EDWARDS, WABASH, WHITE (CONTINUED)												
4305	2140	8.4	19.0		37.5	11-60		2	1	40	GRAVEL BED (F)	*EST 1965-67 INCL ORCPPEO PROJ 4306, 4307, 4308 +INCL ALL PAYS
	2200	9.3	15.5					1	2	40		
	2580	13.3	16.0	32				4	2	80		
	2700	14.7	16.0					1	2	30		
	2820	15.5	15.0	20				5	5	100		
4329	2695	9.0	15.0	15	37.0	09-61		2	4	105	GRAVEL BED, PRGD (M)	*INCL DROPPED PROJ 4231 +1965-67 ESTIMATED
	2830	20.0	14.0	23	37.0			2	3	105		
*3980	2290	10.0			36.0	02-61	10-66	6	6	120	RIVER GRAV, PRGD (M)	
3985	1710	8.0	15.0	75	22.0	03-61		3	2	70	SH SD, PRGD (M)	
3986	2310	14.0	16.0	50	26.0	03-61		3	2	60	SH SD, PRGD (M)	*INCL PALESTINE PROD WATER
3870	1937	16.0	16.0	200		02-65		5	4	120	SH SD, PRGD (M)	
3893	1937	8.0	16.0	320		11-63		3	3	70	GRAVEL, PRODUCED (M)	*INCL BOTH PAYS
	2248	8.0	18.6	83				4	4	80		
3960	2540	20.0	15.2	41	38.0	03-59		8	10	170	PRODUCED (B)	*INCL 3961
3961	2424	12.0	19.2	268	38.0	03-59		6	10	160	SH SD, PRGD (M)	*INCL WITH 3960
3995	2413	9.0				06-62		1	1	20	PRODUCED (B)	
3963	1800	12.0	21.0	200	33.0	10-59		8	6	130	GRAVEL, PRGD (M)	*INCL 3988, 3989
3988	2700	13.0	16.2	40	35.0	10-59		16	14	310	GRAVEL, PRGD (M)	*INCL WITH 3963
*3989	2800	8.0				10-59	12-64	3	3	60	GRAVEL BED (F)	*INCLUDED WITH 3963
*4338	2850	20.0	17.0	50		03-60	12-63	6	5	120	SHALLOW SD, GRAV (F)	*INCL 4333
*4339	2720	5.0	15.0			03-60	12-63	2	2	50	SHALLOW SAND, GRAV(F)	*INCL WITH 4338
4368	2575	10.0	16.2	118	35.0	01-63		4	4	80	GRAVEL, PRGD (M)	*INCL FORMER PROJ 4366, 4367
	2790	9.0	14.2	50		01-63		2	2	40		
	2900	16.0	18.0	125		01-63		4	4	80		
*3994	2100	15.0			36.4	11-62	12-65	1	1	20	SH SD, PRGD (M)	
4313	2560	17.0			37.0	11-60		4	2	80	GRAVEL BED, PRGD (M)	*INCL DROPPED PROJ 4314, 4315
	2700	20.0						4	7	80		
	2820	18.0						4	3	80		
4371	2830	25.0				02-63		1	2	30	GRAVEL BED, PRGD (M)	
4227	2260	19.5	17.9	120	27.5	12-53		4	6	200	GRAVEL BED, PRGD (M)	
*3929	2600	20.0	18.0	50	28.0	07-51	12-62	2	5	70	GRAV BED, PRGD (M)	*NO DATA AFTER 1959 +INCL 3930
*3930	2500	10.0	17.0	100	28.0	05-52	12-62	1	2	30	SHALLOW SD, PRGD (M)	*NO DATA AFTER 1959 + INCL 3929
*4330	2215	12.0	19.0	140		01-55	09-63	1	1	50	SHALLOW SD, PROD (M)	*INCL PRIM PROD 1-55 TO 9-63
*3907	2500	15.0	17.0	57	26.1	07-52	12-56	2	7	90	SURFACE (F)	*INCL PRIM PROD 7-52 TO 12-56
*3947	2400	12.0				01-55	12-57	1	3	40	SURFACE (F)	
3959	2420	22.0	20.0	200		11-58		7	5	270	GRAVEL, PRGD (M)	
4242	1500	17.7	14.7	26		10-49		2	5	70	SH SD, PROD (M)	
	1800	21.0						6	9	150		
	2660	23.0						7	9	157		
	2300	19.4						6	6	120		
	2400	21.2						1	3	40		
4354	1825	28.0	12.5	20		09-60		1	2	47	SH SD, PRGD (M)	*ALL VALUES ARE 21 PER CENT GF TOTAL, REMAINDER IN POSEY CO (INDIANA)
	2530	25.0	19.0	100				1	2	47		
	2780	29.0	19.2	50				1	2	47		
4312	2886	4.0	16.2	25	36.4	03-60		1	1	140	GRAVEL BED (F)	*INJ TEMP SUSPENDED 4-65
4226	2550	10.0				06-57		6	9	180	RIVER GRAVEL (F)	*INCL DROPPED PROJ 4224, 4225
	2660	10.0				11-52		3	4	80		
	2800	15.0				11-52		8	8	160		
3891	2320	12.0			34.4	10-63		2	5	160	SH SD, PROD (M)	
3892	2320	12.0			32.9	10-63		5	6	180	SH SD, PROD (M)	*EST, 1965-67 DATA ONLY
*3955	2340	7.0			26.0	03-57	01-60	1	2	20	PROD (B)	
4300	2598	18.0			25.6	01-61		7	8	150	SH SD, PROD (M)	*ESTIMATED
	2800	13.0						0	2	20		
	2910	10.0						1	2	60		
4392	2830	20.0	11.7	7	26.5	03-63		2	4	100	SH WELL (F)	
4303	2844	7.0				04-60		1	1	30	GRAVEL BED (F)	*INCL PRIM PROD SINCE 4-60
3896	2150	20.0				04-61		5	3	80	GRAVEL BED (F)	*INCL WITH 3938
3936	2520	8.0				11-52		6	6	120	GRAVEL BED (F)	*INCL WITH 3938
3937	2550	10.0				10-54		6	4	120	GRAVEL BED (F)	*INCL WITH 3938
3938	2640	14.0	17.1	44		12-51		21	10	260	GRAVEL BED (F)	*INCL 3896, 3936, 3937, 3939, 3940, 3965. OPERATOR ADJ
3939	2640	14.0	17.1	44		12-51		25	8	255	GRAVEL BED (F)	*INCL WITH 3938
*3940	2115	25.0	20.1	171		12-50	09-64	5	3	80	GRAVEL BED (F)	*INCL WITH 3938
3965	1800	15.0				06-59		2	1	40	GRAVEL BED (F)	*INCL WITH 3938
4276	2550	14.0				06-59		3	4	80	SH SD, GRAVEL (F)	*1964, 1965 ESTIMATED
	2680	16.0						1	3	50		
	2807	24.0						1	2	40		
4416	2698	30.0	18.0	150		07-67		1	1	20	PENN SD, PROD (B)	
3981	1780	10.0	16.3	25	33.0	03-61		1	1	20	PURCHASED, PROD (B)	
	2235	12.0						2	1	30		
4274	2585	13.0	18.2	46	34.3	08-58		4	4	80	SH SD, PROD (B)	
	2705	17.0	16.0	20	26.1			5	6	110		
	2820	15.0	17.0	31	26.2			6	6	110		
3982	2300	13.0	16.1	90	26.8	02-61		9	7	155	SH SD (F)	
3895	2075	16.0	20.0	140	26.8	04-63		2	4	60	PENN SD, PROD (B)	
3886	2500	11.0	16.5	115	37.0	06-64		2	6	100	PRODUCED (B)	
	2850	9.0						1	3	80		
3967	2550	22.0	15.0	36	28.4	08-60		7	4	160	SH SAND, PRGD (M)	
4401	2330	8.0				04-64		3	6	90	SH SD (F)	*ESTIMATED 1965-67
3962	2303	14.0			35.0	10-59		5	5	50	PRODUCED (B)	
4220	2900	12.0				10-57		5	3	90	RIVER GRAVEL (F)	*ESTIMATED 1960-66
4398	2552	20.0			37.0	12-63		2	2	40	SH SD, PROD (M)	
	2662	20.0						2	2	40		
3928	2600	17.0	16.0	35	35.0	08-56		15	16	524	SH SD, PROD (M)	
4216	2600	9.0	15.0	8	35.0	09-56		12	8	240	GRAVEL BED (F)	*1966-67 EST, INCL DROPPED PROJ 4214, 4215 +INCL ALL PAYS
	2650	11.0						3	2	60		
	2800	14.3						9	11	200		
*4217	2900	9.4			34.5	09-56	12-59	4	7	120	GRAVEL BED (F)	
4320	2200	15.0			26.0	11-59		3	2	50	GRAVEL BED (F)	*1966-67 EST, INCL DROPPED PROJ 4321, 4322, 4323, 4324 ALL PAYS
	2580	11.5	17.0	30				13	13	280		
	2690	10.0	11.0	13				3	3	60		
	2710	15.0	11.0					3	2	60		
	2830	18.0	20.0					15	15	320		
4317	2578	19.0			36.0	04-61		1	1	20	SH SD, PROD (M)	*ESTIMATED
	2672	19.0						1	1	20		
	2845	18.0						2	2	40		
4393	2580	10.0			26.0	07-63		1	1	20	SH SD, PROD (M)	
	2680	13.0						1	2	40		
	2830	10.0						1	2	40		

TABLE 11 -- WATERFLOOD OPERATIONS IN ILLINOIS, 1967 -- Continued

Field, County	General information				Production and injection statistics (M bbls)						
	Project No. * = ABD + = F.M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
NEW HARMONY C, EDWARDS, WABASH, WHITE (CONTINUED)											
*1016	SKILES CIL CORP.	SIEGERT BOTTOMS	CYPRESS	34-2S-14W		62		0		0	
3931	SKILES CIL CORP.	SIEGERT BOTTOMS	BETHEL	2,3,10-3S-14W; 34,35-2S-14W	114	3817	20.5	744	100	1446	
3932	SKILES CIL CORP.	E MALC	BETHEL	32,33-1S-13W; 4,5-2S-13W	101	1769	11.2	380	74	790	
3933	SKILES CIL CORP.	E MALC	CYPRESS	32,33-1S-13W, 4,5-2S-13W	206	3448	7.4	273	108	1696	
3934	SKILES CIL CORP.	W MALC	BETHEL	5,7,8-2S-13W	22	2177	8.4	4420	1	381	
3956	SKILES CIL CORP.	CCWLING-KARER	BETHEL	17-2S-13W	4	103	0.5	15	1	23	
*3957	SKILES CIL CORP.	BROSTER 'F'	CYPRESS	35-2S-14W		186		36		42	
3974	SKILES CIL CORP.	FRIENDS GROVE U	BIEHL	3-1S-13W; 34-1N-13W	88*	848*	11.0*	157*	99*	1183*	
3975	SKILES CIL CORP.	FRIENDS GROVE U	CYPRESS	3-1S-13W; 34-1N-13W	122	1079	*	*	*	*	
*4222	SKILES CIL CORP.	SMITH-LAVENPORT	CYPRESS	15-4S-14W		147		4		2	
4286	SKILES CIL CORP.	CALVIN CRIFFITH C	BENDIST	8-4S-14W	*	285	1.3	30	7	202	
*4287	SKILES CIL CORP.	CALVIN CRIFFITH C	CYPRESS	8-4S-14W		1		4		27	
*4288	SKILES CIL CORP.	CALVIN CRIFFITH C	AUX VASES	8-4S-14W		109		4		23	
4326	SKILES CIL CORP.	CALVIN CRIFFITH C	AUX VASES	8-4S-14W	47	368	1.9	106	47	392	
3935	SOHIC PETROLEUM	C.G. UFGEGRAFF 'A'	CYPRESS	14-3S-14W	*	3391	37.7	1540	948	8153	
			BETHEL		81	137			0	0	
3997	SOHIC PETROLEUM	D.G. UFGEGRAFF 'A'	AUX VASES	14-3S-14W	17	306	48.2	59	51	76	
4294	SOHIC PETROLEUM	GRAY 'C', 'H'	TAR SPRINGS	17,20,21-4S-14W	434	5197	32.0	798	550	2788	
			CYPRESS								
			BETHEL								
			AUX VASES								
*4223	SUN OIL CO.	GREATHOUSE	MCCLOSKEY	33-4S-14W; 4-5S-14W		1088		129		227	
*4269	SUN OIL CO.	FORD 'A' WATERFLOOD	MCCLOSKEY	18-5S-14W		58		13		1	
4293	SUN OIL CO.	FORD 'E'	CYPRESS	21-4S-14W	56	571	6.6	29	54	211	
			BETHEL		43	347	2.4	14	30	120	
			AUX VASES		19	446	3.5	165	74	599	
4235	SUPERIOR CIL CO.	KERN-PEN UNIT	TAR SPRINGS	32,33-4S-14W	8	1916	1.0	538	5	869	
4236	SUPERIOR CIL CO.	NEW HARMONY FIELD U	AUX VASES	21,27,28,29,32,33,34- 4S-14W; 3,4,5-5S-14W	147	16528	1226.8	9847	2696	20954	
4237	SUPERIOR OIL CO.	NEW HARMONY FIELD U	BETHEL	26,27,28,29,32,33,34- 4S-14W; 3,4,5-5S-14W	399	32099	*	*	*	*	
4238	SUPERIOR OIL CO.	WALTERSBURG SANU UNIT	WALTERSBURG	4,5,9-5S-14W	348*	15323*	0	1520*	0	2658*	
4280	SUPERIOR OIL CO.	FORD UNIT	UEGONIA	7,8-5S-14W	185	285	97.1*	615*	116*	820*	
			WALTERSBURG	8-5S-14W	55	98					
			BETHEL	7,8-5S-14W	3	27					
			AUX VASES	7,8-5S-14W	128	2545	*	*	*	*	
4302	SUPERIOR OIL CO.	N.H.R. UNIT	TAR SPRINGS	7-5S-14W	108	198	8.1	10	5	6	
4311	SUPERIOR OIL CO.	NORTHEAST UNIT	TAR SPRINGS	14,22,23,26,27,34-4S- 14W	47	198	166.4*	263*	520*	748*	
			CYPRESS		701	967					
			BETHEL		165	169					
			AUX VASES		548	594					
			MCCLOSKEY		629	719					
4390	SUPERIOR OIL CO.	NEW HARMONY FIELD U	CYPRESS	27,28,29,32,33,34-4S- 14W; 3,4,5-5S-14W	4580	11491	*	*	*	*	
4391	SUPERIOR OIL CO.	NEW HARMONY FIELD U	WALTERSBURG	28,33,34-4S-14W	482	1305	*	*	*	*	
			TAR SPRINGS	27,28,33,34-4S-14W	110	251+	*	*	*	*	
3948	A. K. SWANN	HEIL	CYPRESS	7,18-3S-14W	128	1738	31.0	484	33	462	
3866	TEXACO, INC.	CCWLING U	BIEHL	19,20,29,30-2S-13W	878	2836	397.2*	1475*	1135*	2036*	
			CYPRESS		1422	4659					
4290	TEXACO, INC.	M.E. GLAZE COOP	TAR SPRINGS	8,17-4S-14W	39	443	14.4*	592*	77*	2384*	
			CYPRESS		11	366					
			BETHEL		38	2352					
			AUX VASES		31	1123					
4333	TEXACO, INC.	BRAMLETT	TAR SPRINGS	17-4S-14W	*	163	7.4+	49+	40+	460+	
4334	TEXACO, INC.	BRAMLETT	CYPRESS	17-4S-14W	35	440	*	*	*	*	
4335	TEXACO, INC.	BRAMLETT	BETHEL	17-4S-14W	27	372	*	*	*	*	
4275	UNION CIL CALIF.	CLAVIN CONSLO	TAR SPRINGS	7,16-4S-14W	851	8189	44.2	1612	746	4937	
			CYPRESS								
			BETHEL								
			AUX VASES								
3910	UNIVERSAL OPRING	PARMENTER	CYPRESS	5-2S-13W	19	19	1.6	2			
			BETHEL								
3949	WEST CRILLING CO	KABER L	BIEHL	19-2S-13W; 24-2S-14W	*	47*	*	17*			
4341	WEST CRILLING CO	C. EVANS	MCCLOSKEY	4-4S-14W		4*	10.2*	113*			
1028	GEORGE WICKHAM	SCHMEICER	WALTERSBURG	26,27-2S-14W	250*	914	46.6*	191	60*	93	
NEW HAVEN C, WHITE											
4351	ILL. LSE. OP.	WASEM	TAR SPRINGS	24-7S-10C	49	400*	0.9	20*	1	151*	
4388	ILL. LSE. OP.	DEAD RIVER UNIT	TAR SPRINGS	13,18-7S-10E	114	468*	16.6	59*	28	78*	
4247	SINCLAIR O AND C	NEW HAVEN U	TAR SPRINGS	17-7S-11C	148	1799	7.5	695	23	70	
			CYPRESS								
4278	SINCLAIR O AND C	G.N. BECTTICHER	CYPRESS	19-7S-11E	11	73	9.2	91	11	86	
4289	SKILES CIL CORP.	GREATHOUSE ISLAND U	TAR SPRINGS	7-7S-11E; 7-7S-14W	56*	92*	11.0*	13*	5*	6*	
			CYPRESS								
OAKDALE, JEFFERSON											
*2014	TEXACO, INC.	GREEN-VANORRHEID	AUX VASES	12-2S-4E		554		17		247	
OAKDALE N, JEFFERSON											
2018	ILL. LSE. OP.	NORTH OAKDALE UNIT	MCCLOSKEY	3-2S-4E	120	450	50.2	161	85	235	
OAK POINT, CLARK, JASPER											
225	FOREST CIL CO.	FINNEY-PING-WARD	AUX VASES	31-9N-14W	742	742	48.4	48	500	500	
* 223	M AND E DRUG. CO	B. FINNEY	AUX VASES	31-9N-14W		73		7		81	
ODIN, MARION											
*2600	ASHLAND O AND R	ODIN UNIT	CYPRESS	1,12,13-2N-1E; 6,7, 18-2N-2E		8034		1321			

TABLE 11 -- WATERFLOOD OPERATIONS IN ILLINOIS, 1967 -- Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil grav- ity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source		Type
								Inj.	Prod.		SD = Sand GR = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
Proj. No.													
NEW HARMONY C, EDWARDS, WABASH, WHITE (CONTINUED)													
*1016	2566	12.0				08-58	02-62	1	2	30	GRAVEL BED, PROD (M)		
3931	2680	18.0	17.0	75	36.0	10-51		11	17	300	GRAVEL BED, PROD (M)		
3932	2520	8.5	17.0	57	37.0	04-52		6	11	180	GRAVEL BED, PROD (M)		
3933	2400	8.0	18.5	75	37.0	11-52		3	7	80	GRAVEL BED, PROD (M)		
3934	2620	12.0	17.2	57	36.0	10-50		3	4	70	GRAVEL BED, PROD (M)		
3956	2549	15.0			37.0	05-57		1	1	20	GRAVEL BED, PROD (M)		
*3957	2531	13.0	17.0	20	39.5	10-56	04-66	2	1	20	GRAV BED, PROD (M)		
3974	1761	16.0			33.0	03-61		1	1	20	GRAV BED, PROD (M)	*INCL 3975, 3976	
	2269	13.0	18.0	61				3	2	110			
3975	1716	18.0	16.5	90	33.5	03-61		4	5	80	SH SD, PROD (M)	*INCL WITH 3974	
*4222	2630	10.0	17.7	145		05-55	10-57	1	2	30	TAR SPRGS, PROD (B)		
4286	2680	10.0			32.0	09-59		*	1	40	GRAVEL BED, PROD (M)	*INJ TEMP DISC 12-64	
*4287	2552	10.0				09-59	12-62	1	2	30	GRAVEL, PROD (M)		
*4288	2800	20.0				09-59	12-64	2	2	40	GRAVEL, PROD (M)		
4326	2855	20.0			36.0	06-60		1	1	35	PRODUCED (B)		
3935	2500	25.0	21.0	200	35.0	10-55		0*	4	120	PRODUCED (B)	*CYP INJ TERMINATED 12-62	
	2640	7.0	17.7			06-66		2	2	60			
	2860	4.0				06-64		1	2	60			
3997	2770	10.0	19.0			06-62		2	4	100	PRODUCED (B)		
4294	2220	10.0				05-60		3	2	50	GRAVEL BED (F)		
	2580	11.0						7	5	120			
	2700	9.0						4	3	70			
	2840	18.0						9	9	180			
*4223	2900	5.0			36.9	08-47	02-57	1	2	90	GRAVEL BED (F)		
*4269	2900	7.0			36.0	05-48	07-52	1	1	40	GRAVEL BED (F)		
4293	2600	9.0			36.0	03-53		1	3	50	PRODUCED (B)	INCL DROPPED PROJ 4233, 4350	
	2700	9.0				03-53		1	1	20			
	2885	10.0	13.0	30		03-53		1	2	30			
4235	2250	13.3	17.3	85	37.4	02-54		1	1	121	GRAVEL BED (F)		
4236	2830	8.9	17.9	48	37.0	11-56		5	39	660	RIVER GR, PROD (M)	*INCL 4237, 4390, 4391	
4237	2710	12.4	15.4	32	37.0	11-56		9	53	1000	RIVER GR, PROD (M)	*INCL WITH 4236	
4238	2206	43.0	19.2	475	36.0	10-53		1*	0	333	GRAVEL BED, PROD (M)	*ILLINOIS PORTION OF PROJ	
4280	1930	6.0	16.0	50	36.0	11-65		5	5	100	GRAVEL BED, PROD (M)	*INCL ALL PAYS	
	2244	8.0	18.0	47	36.0	08-66		2	2	40			
	2746	5.0	15.0	32	36.0	11-65		1	1	20			
	2872	12.7	18.1	43	37.8	02-59		4	7	120			
4302	2207	10.0	18.0	46	37.0	02-66		3	3	80	GRAVEL BED (F)		
4311	2193	8.0	16.0	40	36.0	02-66		2	13	160	GRAVEL BED, PROD (M)	*INCL ALL PAYS	
	2600	12.0	18.0	100				7	16	240			
	2741	10.0	16.0	37				1	5	70			
	2850	19.0	15.0	12	36.0	12-66		10	12	230			
	2886	7.0	14.0	295		10-66		2	7	100			
4390	2550	10.0	17.0	37	37.0	08-64		106	129	2160	RIVER GR, PROD (M)	*INCL WITH 4236	
4391	2120	10.0	18.0	47	37.0	08-64		13	32	400	RIVER GR, PROD (M)	*INCL WITH 4236	
	2210	8.0	17.0	40	37.0	08-65		6	16	220		*REPORTED WITH 4236 IN 1965	
3948	2450	15.0				11-55		5	9	140	GRAVEL BED (F)		
3866	1700	8.7	19.6	126	37.0	01-65		18	34	526	SH SD, PROD (M)	*INCL BOTH PAYS	
	2460	11.1	19.2	59	37.0			29	34	801			
4290	2215	9.0			36.5	12-59		3	3	60	SH SD, PROD (M)	*INCL ALL PAYS	
	2570	11.0						6	6	120			
	2670	25.0						8	9	170			
	2825	12.0						8	9	170			
4333	2296	16.0			36.3	11-61		2	4	80	SH SD, PROD (M)	*NO INJ SINCE 3-66	
4334	2670	25.0			36.3	11-61		4	2	80	SH SD, PROD (M)	*INCL 4334, 4335	
4335	2670	25.0			36.3	11-61		4	2	80	SH SL, PROD (M)	*INCL WITH 4333	
4275	2210	10.0	17.0	50		09-58		1	1	5	SH SC, PROD (M)	*INCL WITH 4333	
	2575	6.5						3	3	62			
	2700	11.0						8	8	170			
	2810	18.0						9	9	180			
3910	2410	13.0			36.9	04-67		1	1	20	PRODUCED (B)		
	2530	7.0						1	1	20			
3949	1740	15.0	20.6	39	37.0	10-56		1	4	50	SH SL (F)	*NO DATA SINCE 1957	
4341	3000	5.0				10-49		1	4	50	GRAVEL BED (F)	*ESTIMATED, NO DATA SINCE 1961	
1028	2150	12.0				06-64		3	6	120	SH SD, PROD (M)	*ESTIMATED	
NEW HAVEN C, WHITE													
4351	2135	10.0	18.0	350	37.0	07-62		1	3	90	GRAVEL BED (F)	*1965 DATA EST	
4388	2200	6.0	19.0	98	36.0	09-64		3	7	78	GRAVEL BED (F)	*1965 DATA EST	
4247	2090	7.0	17.5	50	35.0	07-54		2	4	175	SH SC (F)		
	2435	10.0						10	10	325			
4278	2435	12.0	15.0	45	36.0	08-59		1	4	40	SH SC (F)		
4289	2148	24.0	18.0	48	37.0	01-66		2	3	60	RIVER GRAY (F)	*13.9 PER CENT OF TOTALS	
	2476	10.0	14.8	17				2	0	30		ALLOCATED TO ILL PORTION OF PROJ	
OAKDALE, JEFFERSON													
*2014	2870	15.0	20.2	120	36.5	08-61	12-64	3	2	100	PENN SD, PROD (B)		
OAKDALE N, JEFFERSON													
2018	2931	10.0				06-64		4	7	290	POND, PROD (M)		
OAK POINT, CLARK, JASPER													
225	1190	12.0	13.1	40	36.6	04-67		20	12	220	GRAVEL BED (F)		
*223	1180	20.0			36.6	10-58	12-60	2	6	80	PENN SD (B)		
ODIN, MARION													
*2600	1700	15.0	20.0	78	36.0	10-49	10-62	14	22	230	TAR SPRINGS, PROD (B)		

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	General information				Production and injection statistics (M bbls)					
	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
					Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
OLD RIPLEY, PCMC										
6 F. AND B. MORRIS	RIPLEY L	PENN		21,28-5N-4W	25*	995*	1.2*	76*	8*	225*
OLNEY C, JASPER, RICHLAND										
3426 BELL BROTHERS	CLNDAS SOUTH UNIT	SPAR MTN		3,10-4N-10E	472	2286	25.9	177	459	1355
3435 C T CRILLING	NORTH OLNEY U	SPAR MTN		28,32-4N-10E	80*	104	3.9*	5	5*	5
*3407 GULF OIL CO	EAST CLNDAS UNIT	MCCLOSKEY		25,26,35,36-5N-10E		953		152		207
1903 ILL. LSE. UP.	PESSIE	MCCLOSKEY		23-5N-10E	55	226	5.7	39	55	199
*1904 SGMIC PETROLEUM	CLNDAS EAST UNIT	CHAKA		14-5N-10E		2003		142		1378
3408 TEXACC, INC.	EAST OLNEY	MCCLOSKEY		23,24,25,26-4N-10E	20	3772	4.2	255	20	1219
3420 TEXACO, INC.	OLNEY WATER FLOOD	MCCLOSKEY		27-4N-10E	86	4112	11.1	516	46	3063
*1914 TRI-STATE CASINO	MILLER-EURICE	MCCLOSKEY		23-5N-10E		1339		57		908
OLNEY S, RICHLAND										
*3422 RING AND KINSELL	KURTZ-YARTZ	MCCLOSKEY		28-3N-10E		32		0		0
OMAHA, GALLATIN										
1437 T. W. GEORGE	OMAHA S UNIT	AUX VASES		34-7S-8E; 3,4-8S-8E	262	567	40.1	68	47	75
*1414 HUMBLE O AND R	OMAHA	PALE STINE		33-7S-8E; 4-8S-8E	540	5343	40.5	1050	342	3906
*1434 NAPCO	PHILLIPS FLOOD	SPAR MTN		32-7S-8E		40		7		2
1439 SKILES OIL CORP.	CANE CREEK U	AUX VASES		4-8S-8E	25	91	3.6	9	11	31
OMAHA S, GALLATIN, SALINE										
*1432 DAVID ROSTEIN	WGLARE	CYPRESS		7-8S-8E		164		0		
ORCHAROVILLE, WAYNE										
4093 N. V. OUNCAN	ORCHAROVILLE	AUX VASES		29-1N-5E	25*	89	9.8*	26		
OSKAUOUSA, CLAY										
307 TEXACO, INC.	OSKALECSA UNIT	BENOIST		26,27,34,35-4N-5E	230	8042	7.9	1215	169	3273
341 TEXACO, INC.	OSKALECSA UNIT	MCCLOSKEY		26,27,34,35-4N-5E	117	551	*	*	*	*
342 TEXACO, INC.	OSKALECSA UNIT	AUX VASES		26,27,34,35-4N-5E	122	641	9.0*	86*	50*	170*
PARKERSBURG C, EDWARDS, RICHLAND										
3432 ACME CASINO	KIDGLEY	MCCLOSKEY		30-2N-14W	15*	69	2.0*	6	15*	31
3415 CALVERT EASTERN	PARKERSBURG	MCCLOSKEY		16,21-2N-14W		107		26		43
*3424 CONTINENTAL OIL	KOERTGE #B	BETHEL		30-2N-14W		179		6		25
3409 MARATHON OIL CO.	PARKERSBURG U	MCCLOSKEY		8-3N-9E		5134		159*		1859*
1017 V. T. ERLG. CO.	PARKERSBURG U	CYPRESS		6-1N-14W; 31-2N-14W	60*	891*	2.5*	143*	60*	450*
PASSPORT, CLAY										
354 GULF OIL CO	PASSPORT UNIT	MCCLOSKEY		2-4N-8E; 35-5N-8E	308	805	78.4	151	101	216
308 SHAKESPEARE OIL	STANLEY-HINTERSHER	MCCLOSKEY		12-4N-8E	47	351	4.8	38*	26	137
327 SHAKESPEARE OIL	PASSPORT U	MCCLOSKEY		11,12,14-4N-8E	905	8233	18.6	517	557	5241
PASSPORT S, CLAY, RICHLAND										
*3417 CONTINENTAL OIL	PASSPORT SOUTH UNIT	CYPRESS		18-4N-9E		406		43		76
PATOKA, MARION, CLINTON										
2601 KARCHMER PIPE	PATOKA BENOIST	BENOIST		20,21,28,29-4N-1E	356	7945	6.8	6531	356	47864
2602 KARCHMER PIPE	PATOKA BENSICLARE	SPAR MTN		21,28,29-4N-1E	671	11700	10.4	1524	671	6727
2603 KARCHMER PIPE	STEIN UNIT	CYPRESS		28-4N-1E	0*	220	0.2	63	0	228
2614 KEWANEE OIL CO.	W. PATOKA TRENTON U	TRENTON		1-34-1W	797	5258	44.1	417	356	1629
				6-3N-1E; 31,32-4N-1E						
PATOKA E, MARION										
2629 MOBIL OIL CORP.	F.M. PECOICORU	CYPRESS		34-4N-1E	83	135	3.4	6	5	9
2631 SHELL OIL CO.	EAST PATOKA UNIT	CYPRESS		34-4N-1E	857	1788	61.5	189	610	1527
		BENOIST								
PATOKA S, MARION										
2627 JOE SIMPKINS OIL	PATOKA SOUTH	CYPRESS		4,5,8,9-3N-1E	1755	4850	165.8	654	510	1572
2619 TRCOP CRILLING	BENOIST-SANDSTONE U	BENOIST		5-3N-1E	118	313	50.3	161	118	248
PHILLIPSTOWN C, EDWARDS, WHITE										
4249 C. E. BREHM	PHILLIPSTOWN UNIT	PENN		19,30-4S-14W,	147	926*	54.7	251*	60	80*
		CYPRESS		30-4S-11E						
*4251 BRITISH-AMERICAN	N CALVIN UNIT	PENN		31-3S-14W		3686		1215		2777
*4344 COY OIL CO	GREEN	BETHEL		30-3S-11E	1	61	0.2	11		8
4319 N. V. OUNCAN	METCALF	BIEHL		31-3S-14W	8*	23*	9.0*	24*		
4298 EASCO OIL CO.	CLARK WATER FLOOD	OEGONIA		30-4S-11E	135*	272	47.6	82	37	70
		BETHEL				945*		215*		539*
		AUX VASES								
4373 V. R. GALLAGHER	CLEVELAND TAR SPRGS U	TAR SPRINGS		25-4S-10E	40	193	22.0	100*	9	28
4387 V. R. GALLAGHER	KUYKENOALL WF UNIT	PENN		25-4S-10E	163	334	24.8	89	40	74
4342 GULF OIL CO	N. CALVIN BIEHL UNIT	BIEHL		31-3S-14W	225	808	14.2*	169*	155*	338*
4395 GULF OIL CO	CARFIELD-PARSON	AUX VASES		7-4S-14W	145	1488	19.4	198	55	711
4243 HARRIS ORLG	RAWLINSON WF	CYPRESS		29-3S-14W	43	79	3.6	5	54	90
		BETHEL								
4343 HARRIS ORLG	SEIFRIED WF	MCCLOSKEY		30-3S-11E	30	371	4.3	19	23	149
4370 HARRIS ORLG	SEIFRIED WF	BETHEL		30-3S-11E	90	369	3.6	9	5	19
4414 JARVIS BROS.	CLEVELAND	OEGONIA		36-4S-10E; 1-5S-10E,	*	656	*	*	*	*
		TAR SPRINGS		31-4S-11E						
1029 KINGWOOD OIL CO.	JEHNSON COOP	MCCLOSKEY		18-3S-11E	140	565	11.9	23	14	41
*4277 KIRBY PETROLEUM	W.P.B.S. UNIT	BENOIST		26,35-4S-10E		1791		160		949
4250 MOBIL OIL CORP.	GRAYVILLE U	CYPRESS		20,29-3S-14W	22	767	5.1	140	22	520

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67			Injection water				Remarks	
	Proj. No.	Depth (ft)	Net pay thickness (ft)	Porosity (%)	Permeability (md)	Oil gravity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source		Type
									Inj.	Prod.		SD = Sand GR = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
OLD RIPLEY, BOND														
	6	600	20.0			26.0	C9-57		10	11	110	SH SD, PROD (M)		*ESTIMATEU 1964-67
OLNEY C, JASPER, RICHLAND														
	3426	2991	4.7	15.4	281	40.0	C9-63		10	9	740	PENN SD (B)		*ESTIMATED
	3435	2950	6.0				09-66		2	5	210	SH SD, CREEK (F)		
	*3407	2985	6.0	12.5		41.4	10-56	C9-62	5	4	220	PENN SAND (B)		
	1903	2925	5.0	12.0			01-61		1	1	80	PRODUCED (B)		
	*1904	2900	8.0			35.0	C4-55	C5-61	4	7	120	CYPRESS (B)		
	3408	3100	5.3	13.8	522	37.0	C3-51		1	3	458	PRODUCED (B)		
	3420	3000	13.0	13.8	500	37.0	11-46		1	6	280	PRODUCED (B)IER (B)		
	*1914	2940	14.0	16.8	775	40.0	05-54	12-66	1	1	40	PRODUCED (B)		
OLNEY S, RICHLAND														
	*3422	3150	6.0				06-61	01-62	1	4	50	CYPRESS (B)		
OMAHA, GALLATIN														
	1437	2710	12.0	12.0		41.5	10-65		5	20	253	PENN SD (B)		*INCL WITH 342
	+1414	1700	17.0	18.9	427	26.0	10-44		1	16	280	PRODUCED (B)		
	*1434	2760	20.0			37.0	05-65	11-66	1	3	40	CREEK, PROD (M)		
	1439	2678	20.0			27.6	11-65		1	5	40	SH SD, PROD (M)		
OMAHA S, GALLATIN, SALINE														
	*1432	2541	19.0	12.5	24	27.0	10-60	12-63	1	1	20	TAR SPRINGS (B)		
ORCHARDVILLE, WAYNE														
	4093	2835	10.0				C8-65		1	3	40	SH SD, PROD (M)		*ESTIMATEO
OSKALOUSA, CLAY														
	307	2600	14.2	15.6	54	37.0	C1-53		10	5	396	PENN SD, PROD (B)		*INCL WITH 342
	341	2742	11.0			37.0	12-63		4	6	100	PENN SD, PROD (B)		
	342	2641	10.0	13.0		37.0	12-63		5	6	100	PENN SD, PROD (B)		
PARKERSBURG C, EDWARDS, RICHLAND														
	3432	3190	8.0				04-65		1	3	80	PRODUCED (B)		*ESTIMATEO
	*3415	3060	10.0				01-55	01-56	2	7	160	PRODUCED (B)		*INCL PRIM PROD 1-55 TO 1-56
	*3424	2950	15.0				09-59	07-64	1	1	20	PRODUCED (B)		
	*3409	3130	8.0	18.0	800		C3-55	12-64	5	5	200	CYP, PROD (B)		*INCL 3416
	1017	2770	14.8	16.8	120	37.2	02-59		3	8	256	PENN SD, PROD (B)		*ESTIMATEO 1965-67
PASSPORT, CLAY														
	354	3025	10.0	15.0	35	38.0	06-65		3	4	180	PENN SD, PROD (B)		*INCL PRIM PROD SINCE 9-57
	308	3000	9.0			37.0	09-57		1	2	40	PRODUCED (B)		
	327	3000	10.0	16.9	911	28.2	07-58		5	8	305	CYP, PROD (B)		
PASSPORT S, CLAY, RICHLAND														
	*3417	2700	8.0	15.0	60		C7-59	06-64	2	2	100	PENN SD, PROD (B)		
PATOKA, MARION, CLINTON														
	2601	1410	27.0	19.0	110	35.0	09-43		40	47	527	PRODUCED (B)		*INJ SUSPENDED 12-63
	2602	1550	9.0	18.8	223	40.0	07-48		21	12	445	PRODUCED (B)		
	2603	1280	10.0	21.0	32	35.0	08-51		6	2	61	PRODUCED (B)		
	2614	3930	17.0	8.0	3	43.0	C6-61		11	14	520	PENN SD, PROD (B)		
PATOKA E, MARION														
	2629	1370	19.0	19.2	62	38.6	06-66		2	1	30	TAR SPR, PROD (B)		*INCL PRIM PROD SINCE 10-63
	2631	1350	18.0	20.0	139	36.0	C6-65		5	12	180	TAR SPR, PROD (B)		
		1465	11.0	18.0	120				2	4	60			
PATOKA S, MARION														
	2627	1360	15.1				08-64		29	29	580	TAR SPR, PROD (B)		*INCL PRIM PROD SINCE 10-63
	2619	1456	14.0			36.5	C2-64		4	9	140	TAR SPR, PROD (B)		
PHILLIPSTOWN C, EDWARDS, WHITE														
	4249	1950	10.0	13.0	36	36.0	06-65		3	5	90	PENN SD, PROD (B)		*INCL 4245 6-52 TO 5-57
		2730	10.0						2	4	60			*1965-67 ONLY
	*4251	1550	29.0	17.6	86	32.0	C6-51	11-63	9	9	180	T.S., PROD (B)		
	*4344	2820	10.0	13.0	8	36.0	11-62	C1-67	1	2	30	GRAVEL, PROD (M)		
	4319	1824	12.0			32.8	12-64		2	4	60	TAR SPR, PROD (B)		*ESTIMATEO 1965-67
	4298	1950	20.0	17.0	20	35.2	01-66		5	3	100	SH SD, PROD (M)		*INCL AUX VASES
		2810	14.0				C6-60	12-65	4	7	110			
		2920	10.0	14.0	17		C6-60	12-65	4	6	100			
	4373	2310	9.0	18.2	68	33.9	10-63		3	5	150	PENN SD, PROD (B)		*INCL PRIM PROD SINCE 10-63
	4387	1490	15.0	18.7	35	25.8	07-64		3	4	170	PENN SD, PROD (B)		
	4342	1800	25.0	17.7		22.0	06-63		3	5	60	PRODUCED (B)		*ESTIMATEO 6-63 TO 8-66
	4395	2885	15.0			36.5	C4-61		3	3	80	PENN SD, PROD (B)		
	4243	2700	14.0			37.0	C5-66		2	10	20	PRODUCED (B)		
		2800	8.0											
		3000	3.0											
	4343	1842	14.0	16.2	88	32.0	06-62		1	4	50	PENN SD, PROD (B)		*NO DATA 1967
	4370	2820	11.0	14.2	10	37.0	07-61		3	5	150	PENN SD, PROD (B)		
	4414						11-67		1	30	20	PRODUCED (B)		
							C5-65		1	30	20			
	1029	3116	5.0	12.0	100	37.0	C5-64		2	2	70	PENN SD, PROD (B)		
	*4277	2840	11.0	15.5	150	38.0	C6-56	12-63	9	12	270	PENN SD, PROD (B)		
	4250	2850	27.4	18.4	64		08-54		2	4	60	PRODUCED (B)		

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County		General information			Production and injection statistics (M bbls)						
Project No. * = ABD + = P.M.		Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
PHILLIPSTOWN C, EDWARDS, WHITE (CONTINUED)											
*4252	MUBIL CIL CORP.	N CALVIN	BIEHL	30,31-3S-11E		1156		426		499	
4245	E. H. MORRIS EST	RAWLINSON	CYPRESS	29-3S-14W	15	15	1.7	2	1	1	
4369	E. H. MORRIS EST	MORRIS A, 8	CYPRESS	19,30-3S-11E		109		3*			
4253	PHILLIPS PET. CO	FLORA UNIT	DEGONIA	24-4S-10E	20	1138	2.1	111	26	676	
*4254	PHILLIPS PET. CC	LAURA	BETHEL	19-4S-11E		197		16		51	
4255	PHILLIPS PET. CC	PHILLIPSTOWN UNIT	BETHEL	30,31-4S-11E,	11	1779	12.8	146	11	471	
			AUX VASES	31-4S-14W							
4349	ROYALCO, INC.	PHILLIPSTOWN U	DEGONIA	1-5S-10E; 6-5S-11E	187	944	68.6	323	49	125	
			TAR SPRINGS								
*4232	SKILES OIL CORP.	L.O. CLEVELAND	TAR SPRINGS	36-4S-10E		48		0		0	
*4256	SUN CIL CO.	PHILLIPSTOWN U	CLORE	6-5S-11E		234		110		58	
4257	SUN CIL CO.	PHILLIPSTOWN U	TAR SPRINGS	6-5S-11E	131	626	3.7	28	188	737	
*4270	SUN CIL CO.	PHILLIPSTOWN	TAR SPRINGS	6-5S-11E		58		0		251	
PHILLIPSTOWN S, WHITE											
4357	PERMIAN OIL, INC	GIVEN-BROWN	TAR SPRINGS	11-5S-10E	60*	309	8.2*	127			
RACCCON LAKE, MARIUIN											
2616	TEXACC, INC.	RACCCON LAKE UNIT	MCCLOSKY	3-1N-1E		1006		182		1765*	
*2617	TEXACC, INC.	RACCCON LAKE UNIT	SPAR MTN	3-1N-1E		747		*		*	
2626	TEXACC, INC.	RACCCON LAKE UNIT	CYPRESS	3-1N-1E	232	669	4.0	23	428	1524	
			BENOIST		141	412					
RALEIGH, SALINE											
3615	WALTER CUNCAN	SPURLOCK	CYPRESS	2-8S-6E	17	74	5.5	36	6	17	
3617	T. W. GEORGE	RALEIGH UNIT	CYPRESS	35-7S-6E; 2-8S-6E	445	2316	88.0	735	175	374	
*3605	KEWANEE OIL CO.	RALEIGH U	AUX VASES	10,15,16-8S-6E		1874		282		964	
RALEIGH S, SALINE											
3618	HUMBLE O AND R	S. RALEIGH U	AUX VASES	20-8S-6E	161	593	40.2	70	23	149	
3604	ILL. MID-CONT.	RALEIGH UNIT	AUX VASES	20-8S-6E	144*	1146*	6.0*	62*	144*	700*	
3616	RK PET. CORP.	LEITCH ETAL	AUX VASES	20,21,28,29-8S-6E	275	667	13.0	32	37	77	
RAYMOND E, MONTGOMERY											
2900	DARE PETROLEUM	FOSTER-PUGGENPOHL	PENN	15,22-10N-4W		38		6*		15*	
RICHVIEW, WASHINGTON											
4012	C. T. EVANS	RICHVIEW UNIT	CYPRESS	2-2S-1W	420	484	41.4	41	21	21	
RITTER N, RICHLAND											
3430	ZANETIS OIL PROP	SE OLNEY U	SPAR MTN	18-3N-1E	0	92	1.2	5	11	54	
ROACHES N, JEFFERSON											
2009	TEXACC, INC.	ROACHES NORTH UNIT	BENOIST	5,8-2S-1E	206	1841	0	30	166	1608	
ROCHESTER, WAUSAU											
3970	ASHLAND O AND R	NORTH ROCHESTER UNIT	PENN	11,14-2S-13W	284	2064	27.9	373	144	653	
3972	ASHLAND O AND R	ROCHESTER CCOP	WALTERSBURG	14-2S-13W	552	3305	16.4	221	136	457	
3968	GILLIAM DRILLING	KENNARD	PENN	14-2S-13W	650*	3860	47.6**	649*	500**	1915*	
3987	GILLIAM DRILLING	KENNARD	BRIDGEPORT	14-2S-13W	398*	2842	+	+	+	+	
			WALTERSBURG								
ROLAND C, GALLATIN, WHITE											
4396	FEAR AND OUNCAN	MCBLEY-CREER	TAR SPRINGS	25-6S-8E	12*	97	1.6*	36	5*	30	
4361	F. J. FLEMING	COERNER UNIT WF	WALTERSBURG	12,13-7S-8E	34	1458	14.3	80	259	888*	
4403	F. J. FLEMING	ROLAND U	CYPRESS	1,12,13-7S-8E	297	297	13.5	14	11	11	
4262	T. W. GEORGE	PANKEY-MOOREHEAD UNIT	CYPRESS	17,20-7S-8E		55		0			
1418	HUMBLE C AND R	S. ROLAND	AUX VASES	16,21,27-7S-8E	124	1198	9.9	134	91	470	
4258	HUMBLE C AND R	S.W. ROLAND	WALTERSBURG	14,15,16-7S-8E	1697	21414	115.3	2044	491	5746	
			AUX VASES								
*4259	HUMBLE O AND R	STOKES U	HARDINSBURG	5-6S-9E	4	755	0.6	543	3	1270	
4266	HUMBLE C AND R	ROLAND AREA U I	CYPRESS	2,11-7S-8E	1064	1633	101.8	141	221	321	
			BETHEL								
1413	IND. FARM BUR.	OMAHA U.	AUX VASES	20,21,28,29-7S-8E	146	1187*	18.1	561	9	3825*	
4318	IND. FARM BUR.	E. ROLAND	AUX VASES	2,3-7S-8E	103	1495	9.6	101	80	346	
4347	E. F. MCAN, INC	MORRIS CITY	CYPRESS	33-6S-8E	90	99	5.7	7			
			BETHEL		280	419					
4375	NAPCC	ATCHLEY	CLORE	17-6S-9E	18	18	5.6	6	13	13	
4407	NAPCC	HUGHES FLOOD	CYPRESS	9-6S-9E	15	50	1.9	8	17	118	
4261	SHELL CIL CO.	IRON UNIT	HARDINSBURG	23,24,25-6S-8E		18512		2254		9380	
4244	SUN CIL CO.	ROLAND WEST U	CYPRESS	4,9-7S-8E	704	1353	36.3	52	247	445	
			BETHEL								
			AUX VASES								
*4260	UNION CIL CALIF.	STOKES-BROWNSVILLE U	MCCLOSKY	36-5S-8E; 31,32-5S-9E; 1,11,12-6S-8E; 6-6S-9E	120	16366	3.3	2290	60	9607	
4385	UNION CIL CALIF.	WALNUT GROVE U	HARDINSBURG	7,8,17,18,19-6S-9E	1846	1868*	55.9	95*	91	138*	
			TAR SPRINGS								
			BETHEL								
			AUX VASES								
			OHARA								
			SPAR MTN								
			MCCLOSKY								
4413	UNION CIL CALIF.	CROZIER-SILLIMAN	HARDINSBURG	36-5S-8E	135	357*	6.2	20*	135	357*	
1435	WAUSAU PET. CORP	GOSSETT	CYPRESS	19,20-7S-8E	138	490	24.5	47	12	19	
				18-7S-8E							

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67				Injection water		Remarks	
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil grav- ity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source		Type
								Inj.	Prod.		SD = Sand GR = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
Proj. No.													
PHILLIPS TOWN C, EDWARDS, WHITE (CONTINUED)													
*4252	1830	11.0			32.8	05-51	02-61	5	9	60	SH SAND, PROD (M)	*INCL PRIM PROD	
4245	2700	10.0				07-67		1	2	30	PURCHASED (M)		
*4369	2700	10.0				08-63	12-65	3	4	40	SH SAND (F)	*NO DATA SINCE 1964	
4253	2000	15.0	19.0	100	27.0	09-53		1	2	25	PRODUCED (B)		
*4254	2800	10.0	15.0	46	27.0	03-52	01-64	2	5	20	PROD (B)		
4255	2800	18.0	15.0	50	26.0	10-57		1	3	160	PRODUCED (B)		
	2930	24.0	16.0	100				0	2	180			
4349	1970	10.0	18.3	35	27.7	07-62		6	10	200	RIVER GR, PROD (M)		
	2300	8.0	15.0	29	25.7			2	3	70			
*4232	2300	12.0				11-55	01-58	1	2	30	PENN SAND (B)		
*4256	2000	10.0				12-55	06-60	1	5	50	PRODUCED (B)		
4257	2300	7.0			26.0	02-56		2	5	80	PRODUCED (B)		
*4270	2248	10.0			24.5	01-53	06-54	1	9	10	PRODUCED (B)		
PHILLIPS TOWN S, WHITE													
4357	2320	12.0	18.1	33		12-62		2	3	60	SH SD (F)	*ESTIMATED	
RACCDON LAKE, MARION													
*2616	1900	6.0	10.8	292	26.0	07-61	12-66	3	2	100	PRODUCED (B)	*INC 2617	
*2617	1860	6.0	13.3	448	26.0	07-61	12-66	2	2	80	PRODUCED (B)	*INCL WITH 2616	
2626	1650	15.0			25.0	03-65		3	6	120	PRODUCED (B)	*INCL BOTH PAYS	
	1730	15.0						2	1	70			
RALEIGH, SALINE													
3615	2550	10.0			22.0	05-64		1	1	20	PENN SD, PROD (B)		
3617	2553	14.0			23.7	05-62		17	15	350	CYPRESS, PROD (B)		
*3605	2945	10.0	24.0	472	25.0	10-60	12-66	3	1	30	PAINT CK, PROD (B)		
RALEIGH S, SALINE													
3618	2840	12.5	18.4	130	28.0	08-64		3	4	80	PENN SD, PROD (B)		
3604	2850	15.0	*	176	40.4	12-60		1	3	40	PENN SD, PROD (B)	*ESTIMATED SINCE 1964	
3616	2850	15.0	15.0		26.0	03-64		3	3	100	PRODUCED (B)		
RAYMOND E, MONTGOMERY													
*2900	595	6.0			24.1	08-59	12-67	2	2	20	PENN SD, PROD (B)	*ESTIMATED	
RICHVIEW, WASHINGTON													
4012	1485	13.0	21.0	117	29.0	10-66*		5	10	97	TAR SPR, PROD (B)	*UNIT EFFECTIVE 3-66	
RITTER N, RICHLAND													
*3430	3190	4.0			26.8	09-64	12-66	1	3	160	*	*NO INJ IN 1966	
RDACHES N, JEFFERSON													
2009	1930	10.7	14.0	134	37.2	08-60		2	13	460	PRODUCED (B)		
RDCHESLER, WABASH													
3970	1285	12.0	19.0	100	40.1	07-60		4	4	80	GRAVEL BED (F)		
	1960	20.0	18.9	100				4	5	90			
3972	1285	12.0			20.5	01-60		5	3	70	GRAV BED, PROD (M)		
3968	1350	30.0	17.0	150	33.0	07-60		5	8	88	SH SD, GRAVEL (F)	*ESTIMATED +INCL 3987	
3987	1950	20.0	18.0	200	27.0	06-60		5	5	88	SHALLOW SD, GRAVEL (F)	*ESTIMATED +INCL WITH 3568	
RDLAND C, GALLATIN, WHITE													
4396	2332	10.0	23.9	77		02-62		1	2	80	PRODUCED (B)	*ESTIMATED	
4361	2200	15.0	18.0		21.0	06-62		4	4	80	PENN SD, PROD (B)	*ESTIMATED	
4403	2600	12.0	15.2	38		01-67		6	12	200	PENN SD (B)		
*4262	2620	20.0	14.0	16		10-55	12-58	2	2	40	TAR SPRINGS (B)	*ESTIMATED, O.F.	
1418	2920	15.0	16.2	61	40.0	06-59		3	4	62	PENN SD (B)		
4258	2175	14.0	19.5	275	21.0	06-55		7	22	560	PENN SD, PROD (B)		
	2900	12.0			29.0			2	4	40			
*4259	2530	11.6	18.8	256	25.8	07-54	12-66	1	2	128	PRODUCED (B)		
4266	2700	20.0	16.6	65	21.6	06-66		14	12	430	PENN SD, PROD (B)		
	2775	9.0	12.4	12				1	4	130			
	2900	6.0	13.8	14				8	15	910			
1413	1695	14.0	19.0	225	27.2	03-53		6	4	336	PRODUCED (B)	*ESTIMATED	
4318	2935	20.0	14.2	4	25.6	12-61		8	8	260	SH SD, PROD (M)		
4347	2685	5.0				07-66		2	2	40			
	2800	30.0						4	4	80			
4375	1991	12.0			28.0	08-67		1	2	20	PALESTINE, PROD (B)		
4407	2740	14.0			27.0	04-65		1	1	20	PRODUCED (B)		
4261	2500	25.0	17.6	152	27.0	12-50	04-66	20	24	440	CYPRESS, PROD (B)	*NO DATA AFTER 4-20-66	
4244	2620	14.0	14.0	34	27.0	02-66		7	12	200	PENN SD (B)		
	2725	9.0	11.0					5	12	180			
	2925	15.0	16.5	55				6	9	160			
	3000							1	1	40			
*4260	2628	15.0	17.0	106		08-55	08-67	3	4	1142	PENN SD, PROD (B)		
4385	2300	12.4				02-67*		14	14	284	PRODUCED (B)	*DUMP FLOOD DATA INCL OF INJ SINCE 12-51. FIRST OF DATA 1964	
	2640	10.5	18.0	60				13	14	302		*UNIT EFFECTIVE 7-66	
	2880	22.0	17.0	50				20	20	449			
	2900	10.0						13	13	278			
	2940	3.0						5	5	100			
	2970	3.0						5	5	100			
	3060	1.3						2	2	63			
4413	2636	14.0	17.0	106	26.0	03-63		3	5	280	PRODUCED (B)	*NO DATA BEFORE 1965	
1435	2550	12.0	18.5	80	26.0	07-64		3	7	100	PENN SD, PROD (B)		

TABLE 11 — WATERFLOOD OPERATIONS IN ILLINOIS, 1967 — Continued

Field, County	General information				Production and injection statistics (M bbls)						
	Project No. * = ADD + = P.M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
RUARK, LAWRENCE											
2267	CARRICK OIL CORP	RUARK WFU	PENN	7-2N-12W	64	311	14.3	84	11	37	
RUARK W. LAWRENCE											
2284	CITIES SERVICE	W. RUARK U	BETHEL	12,13-2N-13W	766	1901	130.6	259	428	649	
RURAL HILL N, HAMILTON											
1515	ACME CASING	MOORE UNIT	CYPRESS	34,35-5S-5E	36*	1503	3.5*	207	36*	508	
ST FRANCISVILLE, LAWRENCE											
2263	PAROLO BRINKLEY	PEPPLE AND MUDDY	BETHEL	19,20-2N-11W	*	76*	*	1*	*	*	
*2278	LUGAN OIL CO.	WILSON '8'	BETHEL	20-2N-11W		31		0			
*2228	GIL RECOVERY, INC	ST FRANCISVILLE	BETHEL	20-2N-11W		90		0			
ST. FRANCISVILLE E, LAWRENCE											
2218	BAUER BROTHERS	ALL STATES LIFE	BETHEL	22-2N-11W	98	2916	17.9	196	46	1037	
ST JACOB, MADISON											
2506	SINCLAIR O AND G	ELLIS WF	TRENTON	27,34-3N-6W	436	743	21.8	36	102	198	
2503	WARRIOR OIL CO.	TRENTON LIME UNIT	TRENTON	15,16,21,27-3N-6W	645	3168	74.9	348	402	1605	
2505	WARRIOR OIL CO.	S. ST. JACOB UNIT 1.	TRENTON	27-3N-6W	216	490	10.1	21	179	416	
ST JAMES, FAYETTE											
1245	W. L. BELDEN	ST. JAMES	CARPER	25-6N-2E	102	113	3.3*	6*	102	113	
1250	W. L. BELDEN	ST. JAMES NORTH	CARPER	19-6N-3E	162	223	11.4*	26*	162	223	
1238	GULF OIL CO.	WILLIAM SMAIL	CYPRESS	36-6N-2E	126	581	27.7	146	197	1121	
1240	MARATHON OIL CO.	ST. JAMES 1-C	CYPRESS	36-6N-2E; 30,31-6N-3E	667	3566	142.2	469	599	1425	
1222	HENRY ROSETHAL	WASHEURN	CYPRESS	30-6N-3E		1000		198*		1000*	
1239	TEXACO, INC.	ST. JAMES WF	CYPRESS	25-6N-2E; 30,31-6N-3E	220	318	9.6	16	413	1089	
STE MARIE, JASPER											
1912	MURVIN OIL CO.	STE. MARIE	SPAR MIN	7-5N-11E	*	*	1.0*	14*			
*1905	J. R. RANDOLPH	STE. MARIE WF	MCCLOSKEY	5,6,7,8-5N-14W		1900		191		62	
1920	C. R. WINN	WADE 2	MCCLOSKEY	5,6-5N-14W	60	120	5.0	6	2	63	
SAILOR SPRINGS C, CLAY, EFFINGHAM, JASPER											
* 318	ASHLAND O AND R	E. FLORA	MCCLOSKEY	16,21-3N-7E		2173		195		2605	
328	ASHLAND O AND R	SAILOR SPRINGS	TAR SPRINGS	26-4N-7E	127	1975	7.5	123	152	1406	
1100	ASHLAND O AND R	BIBLE GROVE	SPAR MIN	28,29-6N-7E	347	3672	17.4	397	320	1054	
* 309	CITIES SERVICE	WYATT	AUX VASES	13-5N-7E		848		40*		446*	
* 334	CITIES SERVICE	WYATT	SPAR MIN	13-5N-7E		23		*		*	
361	CONTINENTAL OIL	BATEMAN UNIT	CYPRESS	25,26,35-5N-7E	210	427	15.7	21	8	23	
359	WALTER DUNCAN	GOULD UNIT	CYPRESS	15-5N-7E	241	492	320.1	382	45	60	
1102	WALTER DUNCAN	BRINK	CYPRESS	34-6S-7E	125	770	96.3	304	116		
* 310	GULF OIL CO.	R. KECK	CYPRESS	26-4N-7E		65		11		37	
* 339	GULF OIL CO.	SAILOR SPRINGS UNIT	CYPRESS	26-4N-7E		315		49		70	
356	GULF OIL CO.	BIBLE GROVE UNIT	CYPRESS	10-5N-7E	1246	2366	466.6	868	653	768	
1107	JET OIL CO.	ALLAT LCPM U	MCCLOSKEY	17,20-6N-7E	166	716	9.0	96	156	416	
319	KINGMCCO OIL CO.	SAILOR SPRINGS U	CYPRESS	13-5N-7E	132	132	17.4	17	28	28	
*1103	KINGMCCO OIL CO.	NADLER AND JERGENS	CYPRESS	28-6N-7E		1034		101		888	
352	MAC OIL COMPANY	BIBLE WF UNIT	CYPRESS	9-4N-7E	181	723	29.6	151	59	246	
* 312	W. C. MCBRIDE	GLOUSBY-UCKEY	CYPRESS	34-4N-7E		622		31		142	
* 313	W. C. MCBRIDE	CLIFF-KECK	CYPRESS	26,35-4N-7E		1845		140		681	
* 314	W. C. MCBRIDE	BLTHWELL	CYPRESS	14-3N-7E		98		5			
344	W. C. MCBRIDE	DEHART	CYPRESS	9-3N-7E	116	342	12.1	45	92	221	
348	W. C. MCBRIDE	STAGER U	CYPRESS	12,13,14-3N-7E	319	829	76.8	116	65	165	
336	MCCORM, KINCAID	NORTH HOOSIER UNIT	CYPRESS	10-4N-7E	331	1869	22.5	442	292	901	
355	MCCORM, KINCAID	BIBLE GROVE WF UNIT	CYPRESS	15,22-5N-7E	507	976	310.4	378	106	125	
311	MOBIL OIL CORP.	SAILOR SPRINGS	CYPRESS	14,15,23-4N-7E	562	6499	19.3	1011*	238	2973	
340	MOBIL OIL CORP.	NORTH HOOSIER U	CYPRESS	15-4N-7E	374	1269	5.4	260	188	716	
* 333	BERNARD PODOLSKY	C. BOWERS	MCCLOSKEY	16-3N-7E	8	231	0	44	8	182	
* 343	RAY-OBER OIL CO.	HASTINGS	CYPRESS	23-4N-7E		118*		7*			
350	SHAKESPEARE OIL	STANFORD UNIT	SPAR MIN	22-3N-7E	64	133	6.6	11	40	53	
* 315	SHULMAN BROTHERS	COLCLASURE AND HARUY	CYPRESS	10-3N-7E		1177		28		496	
* 316	SHULMAN BROTHERS	NEFF	MCCLOSKEY	16-3N-7E		99		3			
* 325	SHULMAN BROTHERS	LEWIS-CYPRESS	CYPRESS	13-5N-7E	36	84	1.8	5	36	84	
1109	SINCLAIR O AND G	BIBLE GROVE U.S.D.U.	CYPRESS	27,28,34-6N-7E	664	2316	238.5	753	397	1061	
329	SKILES OIL CORP.	N SAILOR SPRINGS	CYPRESS	2-4N-7E; 35-5N-7E	234	3072	10.8	148	96	1150	
1106	SOHIC PETROLEUM	RECYCLARE LIME UNIT	SPAR MIN	5-5N-7E, 32-6N-7E	368	3459	46.0	695	290	1511	
360	TEXACO, INC.	NORTH BIBLE GROVE U	CYPRESS	3,4,5,8,9,10-5N-7E; 32-6N-7E	2518	2840	829.2	934	648	798	
SALEM C, JEFFERSON, MARION											
2612	T. M. CONNEY, JR	SEBASTIAN	BENOIST	21-1N-2E	36*	107*	5.0	13			
2624	T. M. CONNEY, JR	LUTTRELL	SPAR MIN	15-1N-2E	7	7	1.1	1			
*2006	HUMBLE O AND R	UIX R. AND PM.	BENOIST	3,4,9,10,15,16-1S-2E	1380	17422	352.4	12813	1121	12411	
2010	HUMBLE O AND R	SALEM CONS	AUX VASES	3,4,10-1S-2E	2055	14019	107.0	677	1522	10233	
2618	ILL. LSE. OP.	PHELPS-WALNUT HILL U.	SPAR MIN	28,33-1N-2E	319	919	28.8	102	58	104	
*2604	TEXACO, INC.	RECYCLARE SAND UNIT	SPAR MIN	15-1N-2E		1913		96		207	
2605	TEXACO, INC.	SALEM UNIT	BENOIST	11,2N-R2E	23595	430109	566.5	38713	18139	221496	
2606	TEXACC, INC.	SALEM UNIT	DOVENIAN	11,2N-R2E	10111	93955	486.7	2416	10197	50020	
2607	TEXACC, INC.	SALEM UNIT	MCCLOSKEY	11,2N-R2E	24800	278494	954.3	18463	21234	162135	
2608	TEXACC, INC.	SALEM UNIT	AUX VASES	11,2N-R2E	25838	220382	1571.7	26120	21629	111944	

TABLE 11 -- WATERFLOOD OPERATIONS IN ILLINOIS, 1967 -- Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67				Injection water			Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Dil grav- ity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source	Type	
								Inj.	Prod.		SD = Sand GR = Gravel PROD = Produced SH = Shallow	(F) = Fresh (B) = Brine (M) = Mixed	
Proj. No.													
RUARK, LAWRENCE													
2267	1640	8.0	16.0	105	22.8	04-63		1	5	56	SH SD (F)		
RUARK W. LAWRENCE													
2284	2250	17.0	16.0	100	26.0	08-65		19	17	279	TAR SPR, PROD (B)		
RURAL HILL N, HAMILTON													
1515	2400	10.0	13.6	22	25.5	05-60		3	2	140	PRODUCED (B)		*ESTIMATED
ST FRANCISVILLE, LAWRENCE													
2263	1640	12.0			41.0	04-62		1	5	80	GRAVEL, PROD (M)		*NO DATA SINCE 1962
*2278	1850	10.0	18.5	65		11-64	12-66	1	1	30	CYPRESS (B)		
*2228	1865	12.0	17.5	43	28.0	12-50	06-54	2	1	30	SH SU, PROD (M)		
ST. FRANCISVILLE E, LAWRENCE													
2218	1740	27.0	17.0	40	26.5	11-57		5	7	160	RIVER GRAVEL (F)		
ST JACOB, MAISON													
2506	2340	20.0	6.0		25.6	11-65		4	7	230	SH SU, PROD (M)		
2503	2351	15.7	9.6	11	27.0	08-62		12	12	442	AUX VASES, PROD (B)		
2505	2320	18.0	9.6		26.0	11-65		2	6	180	AUX VASES, PROD (B)		
ST JAMES, FAYETTE													
1245	2130	42.0			27.4	12-65		1	5	80	PRODUCED (B)		*INCL PRIM PROD SINCE 1-66
1250	3100	20.0				01-66		1	6	90	PRODUCED (B)		*INCL PRIM PROD SINCE 1-66
1238	1560	16.0	20.0	150		07-63		2	5	110	PRODUCED (B)		
1240	1600	22.0	18.0	230		08-63		13	28	588	PRODUCED (B)		
*1222	1595	20.0			24.0	03-54	12-62	3	9	100	PRODUCED (B)		*1959-1962 ESTIMATED
1239	1600	13.4	19.6	186	27.0	05-63		4	20	200	PRODUCED (B)		
SIE MARIE, JASPER													
1912	2910	10.0			26.2	11-61		2	6	160	CYPRESS (B)		*D.F., UNKNOWN +1962-67 EST
*1905	2860	7.0				10-60	12-60	1	14	400	CYPRESS (B)		
1920	2822	5.0			27.0	01-66		1	2	60	RIVER GRAVEL (F)		
SAILOR SPRINGS C, CLAY, EFFINGHAM, JASPER													
* 318	2950	6.0	16.0	600	26.7	11-56	12-66	1	5	160	PROD (B)		
328	2300	7.0	20.0		32.7	04-58		1	8	150	PRODUCED (B)		
	2600	7.0	19.0					1	7	100			
1100	2850	4.0			37.0	07-54		1	1	40	CYP, TAR SPR, PROD (B)		
	2870	5.0						3	3	180			
* 309	2770	9.2	17.0	50	25.0	09-53	12-61	2	2	40	PENN SU, PROD (B)		*INCLUDES 334
* 334	2845	10.0				01-61	01-62	1	1	20	PENN SU, PROD (B)		*INCLUDED WITH 305
361	2570	11.0	17.0	31		01-66		2	4	100	PRODUCED (B)		
359	2500	15.0	16.0	120		01-66		4	9	130	PENN SU (B)		
1102	2530	18.0				12-57		2	4	60	PENN SU, PROD (P)		
* 310	2602	10.0				09-57	03-60	1	1	20	PRODUCED (B)		
* 339	2600	20.0	16.0	10	27.6	06-63	07-66	3	3	60	PRODUCED (B)		
356	2485	20.0	16.0	50	25.0	12-65		12	13	260	PENN SU, PROD (B)		
1107	2860	5.0				11-62		3	5	60	LAKE, PROD (M)		
319	2600	12.0			26.5	07-67		4	12	320	CYPRESS SU (B)		
*1103	2856	9.0				06-53	07-65	3	3	100	CYPRESS, PROD (B)		
	2863	6.0											
352	2600	20.0	18.0	24	27.7	09-63		4	11	160	PENN SU, PROD (B)		
* 312	2580	15.0	15.4	17	28.0	09-55	01-64	1	2	50	PRODUCED (B)		
* 313	2600	12.0	19.0	60	26.0	07-53	07-66	2	5	120	PRODUCED (B)		
* 314	2650	10.0	19.0	20	26.0	08-56	12-59	1	1	20	PRODUCED (B)		
344	2610	15.0	17.5	50		11-64		2	3	70	PENN SU, PROD (B)		
348	2620	20.0	16.0	20		06-65		8	5	140	PENN SU, PROD (B)		
336	2580	15.0	17.0	50	26.0	12-62		10	12	220	PENN, PROD (P)		
355	2500	13.0	18.0	30		12-55		7	12	200	PENN SU, PROD (B)		
311	2600	15.1	17.3	43	27.0	07-54		15	9	250	CYP SD, PROD (B)		*INCL PRIM PROD SINCE 7-54
340	2600	12.0	18.7	40	27.0	08-62		8	6	140	PENN SC (B)		
* 333	3000	6.0	10.0	500	26.0	09-61	04-66	1	3	40	PROD (B)		
* 343	2600	13.0	17.0	56	27.4	10-63	12-66	1	1	40	PENN SU, PROD (B)		*1964-1966 ESTIMATED
350	2990	10.0				12-65		1	4	30	SH SU, PROD (M)		
* 315	2620	15.0	16.4	16	26.0	07-57	06-63	1	1	80	PRODUCED (B)		
* 316	3000	5.0			26.0	01-57	12-59	2	1	80	TAR SPRINGS (B)		
* 325	2510	8.0			26.0	01-56	05-67	1	1	30	PRODUCED (B)		
1109	2520	7.0			26.0	01-65		9	17	385	SH SU, PROD (P)		
329	2560	8.0			26.0	11-56		3	4	100	PENN SD, PROD (B)		
	2800	15.0						3	2	80			
	2880	5.0						4	3	140			
1106	2800	10.0			26.5	06-61		6	3	720	GRAV BED, PROD (M)		
360	2475	30.0	16.2	67	27.0	07-66		27	43	1320	PENN SD (B)		
SALEM C, JEFFERSON, MARION													
2612	1927	8.0			24.6	01-59		1	2	10	PRODUCED (B)		*ESTIMATE 1965-67
2624	2100	15.0				01-67		1	2	30	PRODUCED (B)		
*2006	1950	19.0	16.7	130	25.0	01-48		4	54	2078	PENN SU, PROD (B)		
2010	2000	16.0	14.0	20	25.0	08-60		34	37	1090	PENN SD, PROD (B)		
2618	2102	7.0	12.0		25.2	06-63		4	11	260	PENN SU, PROD (B)		
*2604	2093	14.0	11.5	43	26.5	04-50	08-62	3	5	100	PRODUCED (B)		
2605	1770	28.0	17.4	150	27.0	10-50		184	69	3247	LAKE, PROD (M)		
2606	3400	19.0	16.8	300	26.5	10-50		45	25	5414	UPPER SU, PROD (B)		
2607	1950	20.0	15.6	700	27.0	04-51		158	107	7712	LAKE, PROD (M)		
2608	1825	26.0	16.2	28	27.0	10-50		181	121	4881	LAKE, PROD (M)		

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	General information				Production and injection statistics (M bbls)					
	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
Project No. * = ABD + = P.M.					Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
SAMSVILLE N, EDWARDS										
*1010	ASHLAND O AND R	WEST SALEM	BETHEL	30-1N-14W		319		7		
SEMINARY, RICHLAND										
*3410	R. JOHNSON	SEMINARY	MCCLESKY	17-2N-10E		889		25		290
SESSER C, FRANKLIN										
1325	FARRAR OIL CO.	SESSER UNIT	AUX VASES	35-5S-1E	253	669	41.1	582	80	210
1306	WILL I LEWIS	SESSER UNIT	RENALTT	17,18,19,20-5S-2E	*	1574*	*	172*	*	75*
1318	NAPCO	OLD BEN CDAL FLOOD	AUX VASES CLEAR CREEK	13,14,23,24-6S-1E	669	2278	107.0	348	382	969
SHATTUC, CLINTON										
410	T. M. CONREY, JR	SHATTUC WF	CYPRESS BENCIST	27,28-2N-1W	76*	384*	9.0*	77*		
SHAWNEETOWN N, GALLATIN										
*1416	SUN OIL CO.	L. MILLER	AUX VASES	7-9S-10E		357		48		163
SIGGINS, CLARK, CUMBERLAND										
216	ACME CASING	UNION GROUP	SIGGINS	18-10N-11E	525*	22874	16.0*	2682	520*	20147
700	BELL BROTHERS	FLOOD 1	SIGGINS	13-10N-10E	37	605	7.4	232	58	580
* 701	COCHONOUR, CLARK	VEVAY PARK	SIGGINS	25-10N-10E		255		2		103
702	FOREST OIL CO.	SIGGINS	SIGGINS	13,14-10N-10E; 7,11,12-10N-11E	3193	79613	228.2	11768		
215	OMER H. OCLE	SIGGINS	SIGGINS	7-10N-14W 7-10N-11E	*	2887	*	285	*	1273
SORENTO C, BOND										
* 5	JOE A. DULL	SORENTO SOUTH	LINGLE	29-6N-4W		88		4		57*
STAUNTON W, MACDUPIN										
2400	J. WAITUKAITIS	DEHNE	PENN	16-7N-7W	*	16*	*	1*	*	2*
STEWARDSON, SHELBY										
3800	W. L. BELDEN	CHAFFEE-HARPER-WABASH	AUX VASES	27-10N-5E	89	707	3.0	17		
3801	TRDOP DRILLING	MORT MORAN	AUX VASES SPAR MTN	27-10N-5E	122	901	12.3	90	122	391
STORMS C, WHITE										
4204	C. E. BREHM	R-B U	WALTERSBURG	13-6S-9E	327	566	10.5	12	30	48
4241	JACK BROOKOVER	W. S. HANNA	PENN	28-5S-10E	53	137	2.1	10	24	106
4240	QARECO OIL CO.	POMEROY	AUX VASES	28-5S-10E	58	103	1.0	1		
*4271	MABEE PET. CORP.	STORMS	WALTERSBURG	22-6S-9E		90		0		0
4248	PACIFIC OPER	ALDRIDGE	WALTERSBURG	12-6S-9E	671	1874	64	129		
*4296	BERNARD PODOLSKY	MCQUEEN	AUX VASES DEGONIA CLORE	32-5S-10E		1873		210		721
4234	SINCLAIR O AND G	S STORMS EXTENSION	WALTERSBURG	12,13-6S-9E	1224	2095	45.4	58	110	126
4263	SINCLAIR O AND G	STORMS FDDL UNIT	WALTERSBURG	2,11-15,22-24-6S-9E	8238	102448	166.6	2533	5887	58838
4399	SINCLAIR O AND G	N. STORMS EXT COOP	WALTERSBURG TAR SPRINGS AUX VASES	1,6,12-6S-9E	1173	4476	83.0	244	1020	2353
4415	SD. TRIANGLE CO.	WILSON	WALTERSBURG	22-6S-9E	61	61	43.1	43	5	5
4295	TAMARACK PET.	HANNA	CLORE	32-5S-10E	158	1081	24.1*	275*	69*	589*
*4327	TAMARACK PET.	CALVERT	CLORE	32-5S-10E		402		2		19
4372	TAMARACK PET.	HANNA	BIEHL	32-5S-10E	56	149	*	*	*	*
STRINGTOWN, RICHLAND										
*3411	N. C. DAVIES	STRINGTOWN	MCCLOSKEY	31-5N-14W		257		19		289
*3412	HELMERICH, PAYNE	STRINGTOWN WF	MCCLOSKEY	31-5N-14W		171		5		57
*3413	SKELLY OIL CO.	PETER VON ALMEN	MCCLOSKEY	31-5N-14W		324		59		242
SUMPTER E, WHITE										
4408	NAPCO	CARM1	AUX VASES SPAR MTN	12-5S-9E	110	419	22.8	212	45	233
SUMPTER N, WHITE										
4221	SHAKESPEARE OIL	SUMPTER NORTH U	AUX VASES	20,29-4S-9E	204	351	13.2	18	48	55
SUMPTER S, WHITE										
4345	SD. TRIANGLE CO.	SUMPTER SOUTH UNIT	AUX VASES	2,3-5S-9E	109	571	14.9	63	71	171
4346	SD. TRIANGLE CO.	SUMPTER NORTH UNIT	AUX VASES	34,35-4S-9E	64	499	9.0	37	7	152
TAMARCA S, PERRY										
3101	CANTER DRILLING	BAGWELL	CYPRESS	28-4S-1W		313*		22*		313*
3100	ILL. LSE. DP.	TAMARCA	CYPRESS	14,23-4S-1W	232	1430	7.0	67	190	787
THACKERAY, HAMILTON										
1551	MARATHON OIL CO.	THACKERAY 3-A	AUX VASES	10,11,15-5S-7E	1526	6090	181.7	664	1143	2424
THOMPSONVILLE E, FRANKLIN										
1302	HUMBLE O AND R	E. THOMPSONVILLE	AUX VASES	12-7S-2E	122	2040	3.5	136	137	1287

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67				Injection water			Remarks	
	Proj. No.	Depth (ft)	Net pay thick-ness (ft)	Poros-ity (%)	Perme-ability (md)	Oil grav-ity (*API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source		Type
									Inj.	Prod.		SD = Sand GR = Gravel PROD = Produced SH = Shallow		(F) = Fresh (B) = Brine (M) = Mixed
SAMSVILLE N, EDWARDS														
*1010	2930	5.0					09-54	02-59	1	1	20	PRODUCED (B)		
SEMINARY, RICHLAND														
*3410	3000	8.0				26.0	02-54	04-57	2	4	140	CYPRESS		
SESSER C, FRANKLIN														
1325	2600	15.0	18.0	10		26.0	05-65		6	14	360	CYPRESS, PROD (B)		*NO DATA 1965-67
1306	2690	5.0				25.4	08-58		6	6	220	LAKE, PROD (M)		
1318	2600	18.0				40.0	07-64		8	18	320	PENN SD, PROD (B)		
4375	20.0					40.0			1	2	60			
SHATTUCK, CLINTON														
410	1285	6.0				24.6	07-59		3	8	110	TAR SPR, PROD (B)		*INCL 415, 416, 417
	1436	9.0				25.0	01-64		2	2	40			
SHAWNEETCHON N, GALLATIN														
*1416	2750	15.0				27.0	11-59	09-66	2	1	30	PENN SD (B)		
SIGGINS, CLARK, CUMBERLAND														
216	404	31.0	18.0	51		26.0	12-46		92	84	453	GRAVEL, PROD (M)		*ESTIMATED
700	320	18.9	18.5	13		25.9	03-50		9	15	80	SURFACE (M)		
*701	600	16.0	20.5	24.9		30.1	12-50	12-56	2	4	14	LAKE, PROD (M)		*INJ WATERS ARE SEGREGATED
702	400	22.0	17.5	56		26.4	06-42		458	471	2019	GRAY BED, PROD (F,B)*		
215	450	26.0	21.5	40		22.8	04-52		30	27	135	PRODUCED (B)		*NO DATA 1966-67
SORENTO C, BOONE														
*5	1850	4.5	12.2	50		28.0	10-62	10-64	1	3	50	PENN SAND, PROD (B)		*1964 DATA ESTIMATED
STAUNTON W, MACDUPIN														
2400	490	10.0				22.0	05-60		2	7	40	PRODUCED (B)		*NO DATA 1962-1967
STEWARDSON, SHELBY														
3800	1750	20.0					09-59		1	17	160	PRODUCED (B)		
3801	1950	9.0					06-62		3	4	70	PRODUCED (B)		
	2035	10.0							2	2	40			
STORMS C, WHITE														
4204	2250	20.0					03-66		5	5	100	PENN SD, PROD (B)		
4241	1319	9.0				26.0	04-63		1	1	20	TAR SPR, PROD (B)		
4240	2750	12.0	16.5	54		26.0	06-66		3	3	60	SH SD, PROD (M)		
*4271	2240	15.0					07-51	06-53	1	2	40	PENN SD, PROD (B)		
4248	2275	15.0	18.4	173			06-64		3	3	75	PURCHASED (M)		
	2990	16.0	17.1	47					3	3	60			
*4296	2550	6.0					06-60	01-66	9	8	150	SH SD, PROD (M)		
	2580	12.0												
4234	2250	19.0					07-66		13	16	280	RIVER GRAV, PROD (M)		
4263	2240	10.0	19.0	250		24.0	03-56		60	46	1100	RIVER, PROD (M)		
4399	2290	20.0	20.0	200		28.0	06-54		14	15	300	PENN SD, PROD (M)		
	2390	10.0	18.5	100					2	2	40			
	2980	15.0	18.0	30					13	14	280			
4415	2230	22.0	19.5	225		24.8	07-67		1	6	120	PENN SD, PROD (M)		
4295	2100	10.0	18.0	150		24.8	08-60		4	4	120	PENN SD, PROD (B)		*INCL 4372
*4327	2100	10.0	18.0	150			09-60	12-64	1	1	20	SH SAND, PROD (M)		
4372	1826	14.0	20.1	289		24.8	12-62		2	1	40	SH SD, PROD (M)		*INCL WITH 4295
STRINGTOWN, RICHLAND														
*3411	3000	10.0	18.0				12-53	09-58	2	3	80	TAR SPRINGS (B)		
*3412	3026	7.0				28.0	10-54	12-57	2	2	70	CYPRESS, PROD (B)		
*3413	3002	12.0				26.0	12-53	12-63	1	2	80	PENN SD, PROD (B)		
SUMPTER E, WHITE														
4408	3090	15.0					07-65		2	5	70	RIVER GRAV, PROD (M)		
	3165	8.0						12-66						
SUMPTER N, WHITE														
4221	3170	10.3					06-66		5	7	180	SH SD, PROD (M)		
SUMPTER S, WHITE														
4345	3240	10.7	19.0	55		26.2	09-63		5	4	100	SH SD, PROD (M)		
4346	3240	11.7	19.0	55		26.2	10-63		4	3	70	PENN SD (F)		
TAMAROA S, PERRY														
3101	1125	12.0				27.6	01-62		1	4	60	PRODUCED (B)		*NO DATA 1967
3100	1140	10.0	24.2	349		31.5	12-61		4	5	180	PROD, PROD (M)		
THACKERAY, HAMILTON														
1551	3368	15.0	24.0	270			04-64		15	16	420	CYPRESS, PROD (B)		
THOMPSONVILLE E, FRANKLIN														
1302	3200	18.0	21.1	58		28.0	07-54		2	3	60	PRODUCED (B)		

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	General information				Production and injection statistics (M bbls)						
	Project No. * = ABD + = P.M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
THOMPSONVILLE N, FRANKLIN											
1305	BARBARA BRAGASSA	THOMPSONVILLE U	AUX VASES	10,15-75-4E		1032		125*		80*	
*1304	EAIRFIELD SALV.	THOMPSONVILLE U	AUX VASES	3,9,10-75-4E		1786		381		360	
*1303	HUMBLE U AND R	NORTH THOMPSONVILLE U	AUX VASES	3,9,10-75-4E		2211		365		600	
TONTI, MARION											
2609	TAMARACK PET.	BRANCH	BENOIST	4-2N-2E	170*	1131	5.1*	142*			
			MCCLOSKEY								
2620	TEXACO, INC.	TONTI UNIT	MCCLOSKEY	4-2N-2E	792	3256	28.4*	126*	1492*	5655*	
2621	TEXACO, INC.	TONTI UNIT	SPAR MTN	4-2N-2C	282	1070	*	*	*	*	
2622	TEXACO, INC.	H. MCMACKIN	SPAR MTN	34-3N-2E	0	109	0	1	0	109	
TRUMBULL C, WHITE											
4297	AUTUMN OIL CO	R. SIMMONS	CYPRESS	25,26-55-8E	27	47	6.5	15	22	42	
4301	AUTUMN OIL CO	JACOBS	CHARA	24-55-8E	27	52	1.1	2	5	10	
4362	RK PET. CORP.	TRUMBULL	CYPRESS	24-55-8E; 18-55-9E	328	1758	35.3	179	18	74	
4336	TEXACO, INC.	MCCRE-NIBLING UNIT	MCCLOSKEY	7-55-9E	*	*	2.4	14	31	114	
TRUMBULL W, WHITE											
*4406	SHULMAN BROTHERS	STOCKE	AUX VASES	24-45-8E		36		1		5	
			MCCLOSKEY								
VALIER, FRANKLIN											
1324	PARKON KIDD	KHEN-REA	AUX VASES	8-6S-2E	25*	52*	17.3*	28 *	25*	52*	
WALPOLE, HAMILTON											
1532	ROYALCO, INC.	WALPOLE WEST U	AUX VASES	26,33-65-6E	144	1361	31.5	201	400	495	
1518	TEXACO, INC.	WALPOLE UNIT	AUX VASES	22,26,27,34,35-65-6E	2025	18998	109.5	2264	1914	9846	
1546	TEXACO, INC.	WALPOLE EAST UNIT	AUX VASES	26,45-65-6E	151	1139	8.6	162	151	451	
1517	UNIVERSAL OPRING	WALPOLE UNIT	AUX VASES	3-75-6E		1486		79		977	
WAMAC, CLINTON, MARION, WASHINGTON											
2610	MINERAL REC. INC	WAMAC WATERFLOOD	PETRC	19,30-1N-1E	*	4*	*	7*	*	11*	
*2611	DEWEY STINSON	WAMAC UNIT	PETRC	19,30-1N-1E		531		35		221	
WAMAC W, CLINTON											
414	JET OIL CO.	WAMAC W. BENICIST U	BENICIST	22-1N-1W	478	2311	40.0	291*	363	1238	
418	JET OIL CO.	WAMAC W CYPRESS U	CYPRESS	20,21-1N-1W	30	51	8.6	9	8	30	
WEST FRANKFORT C, FRANKLIN											
1307	R. D. DENSON	HORN-DUMOND 'B'	CHARA	24,25-75-2E	40*	437	3.5*	88	40*	290	
			MCCLOSKEY								
*1301	FARRAR OIL CO.	W FRANKFORT UNIT	TAR SPRINGS	18,19-75-3E		4792		561		3021	
*1308	FARRAR OIL CO.	ORIENT UNIT	TAR SPRINGS	12-75-2E		476		29		444	
1315	FARRAR OIL CO.	POND CREEK	TAR SPRINGS	25-75-2E	107	1031	4.3	151	73	409	
1313	KILLION, MCCLEM.	TEW-SINKS	AUX VASES	19,20-75-3E	130	659	13.4	267	95	253	
1322	KILLION, MCCLEM.	BONER-MERRIMAN U	AUX VASES	31-75-3E	81	169	3.4	9	6	10	
WEST SEMINARY, CLAY											
346	SHULMAN BROTHERS	WEST SEMINARY UNIT	AUX VASES	5,6,8-2N-7C	737	4195	26.2	364	671	2254	
			MCCLOSKEY								
WESTFIELD, CLARK, COLES											
224	APEX CIL	APEX	PENN	4-11N-14W	24	24	0.7	1			
* 231	W. M. ASHLEY	SHERWOOD STEAM FLOOD	CASEY	32-11N-14W		1*		1		6	
* 222	FUREST CIL CO.	PARKER	CASEY GAS	30-11N-14W		663		34			
* 502	GEN. OPERATIONS	JOHNSON	CASEY GAS	7,18,19-11N-11C		705		13		75	
				18-11N-14W							
WHITTINGTON, FRANKLIN											
1323	T. L. CLARK	U.S. STEEL	CHARA	33-55-3E	10*	13	3.3*	7	10*	13	
			MCCLOSKEY								
1329	T. W. GEORGE	WILCOX	HARDINSBURG,	20,29-55-3E	51	388	4.6	22	4	4	
			CYPRESS								
WHITTINGTON W, FRANKLIN											
1312	KEWANEE OIL CO.	PLAINS	RENAULT	1,2,11,12,14-55-2E	53	3375	3.7	363	53	1137	
WILBERTON, EAYETTE											
1246	W. L. BELDEN	ST. PETER AREA	CARPER	11,12,13-5N-2C; 7,17,18,19-5N-3E	1061	2199	61.6*	160*	167*	1167*	
WILLIAMS C, JEEFFERSON											
2019	WARRICK OIL CO.	WILLIAMS SOUTH UNIT	AUX VASES	10,11-3S-2E	293	918	9.2	487*	114	514	
WILLOW HILL E, JASPER											
1906	BELLAIR OIL	WILLOW HILL C	MCCLOSKEY	6-6N-11E	1	6*	0.3	13	1	135	
*1907	M. M. SPICKLER	WILLOW HILL	MCCLOSKEY	36-7N-10C		*		2		0	
WCBURN C, BOND											
* 4	E. E. JENNEMAN	SPINOLER LSE	BENOIST	10-6N-2W		194		11		194	

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County		Reservoir statistics (avg. value)					Development as of 12-31-67		Injection water			Remarks		
		Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil grav- ity (*API)	Date first inj.	Date abd.	No. of wells		Acres under inj.		Source	Type
Inj.	Prod.								SD = Sand GR = Gravel PROD = Produced SH = Shallow	(F) = Fresh (B) = Brine (M) = Mixed				
THOMPSONVILLE N, FRANKLIN														
*1305	3120	16.0	17.5	50	36.0	C3-54	C1-64	7	3	176	LAKE, PROD (M)		*NO DATA SINCE 1962	
*1304	3020	15.0	21.0	115	37.0	C1-56	12-64	7	7	236	LAKE, PROD (M)			
*1303	3075	25.0	22.0	170	37.5	10-55	C4-62	5	5	100	CYPRESS, PROD (B)			
TONTI, MARION														
2609	1950	6.0			36.2	04-57		2	4	60	PRODUCED (B)		*EST +INCL PRIM PROD SINCE 4-59	
	2122	7.0						1	1	40				
2620	2125	18.0	14.1	196	36.0	C2-64		7	9	140	PRODUCED (B)		*INCL 2621	
2621	2108	8.0	17.3	169	36.0	C2-64		4	5	140	PRODUCED (B)		*INCL WITH 2620	
*2622	2108	8.0	17.3	169	36.0	C3-64	12-65	1	2	30	PRODUCED (B)		* DISCONTINUED AS WF SHD ONLY	
TROMBULL C, WHITE														
4297	2800	8.0				C6-65		1	1	30	PRODUCED (B)			
4301	3180	8.0				C1-66		1	1	20	PRODUCED (B)			
4362	2848	12.0	16.0	40	35.0	11-62		5	9	180	SHALLOW SAND (F)			
4336	3263	5.0	12.8	136	37.0	11-61		1	1	40	TAR SPR, PROD (B)		*DUMP FLOOD, UNKNOWN	
TROMBULL N, WHITE														
*4406	2320	10.0			36.0	C9-65	C9-66	1	1	80	CYPRESS (P)			
	3460	7.0												
VALIER, FRANKLIN														
1324	2670	8.0			35.2	11-64		1	4	70	PRODUCED (B)		*EST +INCL PRIM SINCE 11-64	
WALPOLE, HAMILTON														
1532	3200	15.0	22.1	190	34.0	C7-62		4	9	160	PENN SD, PROD (P)			
1518	3100	15.4	19.3	106	36.2	12-60		33	27	1640	PENN SD, PROD (B)			
1546	3100	17.0	15.4	18	36.7	C9-63		5	4	160	PENN SD, PROD (B)			
*1517	3180	13.0	20.3	134	37.4	C1-60	C9-66	4	3	80	PENN SD, PROD (P)		*EST FOR 1964-1966	
WAMAC, CLINTON, MARION, WASHINGTON														
2610		13.0	21.3	220	35.0	C5-54		6	15	120	CITY WATER (F)		*NO DATA 1965-67	
*2611	750	20.0	20.3	183	30.0	07-57	12-60	6	13	50	CITY WATER (F)			
WAMAC W, CLINTON														
414	1450	18.6				11-62		5	9	140	LAKE, PROD (M)		*INCL PRIM PROD SINCE 11-62	
418	1270	8.3				10-65		3	6	90	PENN SD, PROD (P)			
WEST FRANKFORT C, FRANKLIN														
1307	2760	10.0	15.0	205	38.0	07-59		1	2	60	PRODUCED (B)		*ESTIMATED	
	2845	7.0												
*1301	2050	31.3	17.1	155	40.3	11-57	C7-65	6	6	141	CYPRESS, PROD (P)			
*1308	2050	12.1			40.1	C9-59	12-63	4	3	70	CYPRESS, PROD (B)			
1315	2060	10.0	17.1		38.0	C8-62		2	3	70	PRODUCED (B)			
1313	2730	12.0			38.0	C9-62		3	4	120	LAKE, PROD (M)			
1322	2750	12.0			38.0	C8-65		1	3	70	PENN SD, PROD (M)			
WEST SEMINARY, CLAY														
346	2970	9.0	19.0		37.2	C3-64		15	8	290	PENN SD, PROD (B)			
	3080	9.0						4	5	180				
WESTFIELD, CLARK, COLES														
224	340	60.0			34.8	C3-67		6	5	40	CARPER, WELL (M)			
* 231	250	20.0	20.0	250	25.0	C2-64	C4-64	2	1	10	CITY WATER (F)		*DUE TO OF STEAM, STEAM SOAK	
* 222	270	25.0	17.9	153	26.1	C6-50	C4-61	9	12	20	GRAVEL BED (F)			
* 502	320	35.0	21.5	86	25.0	C6-51	12-62	30	14	60	LAKE, PROD (M)			
WHITTINGTON, FRANKLIN														
1323	2834	13.0	11.5	1	35.0	12-63		1	3	80	PRODUCED (P)		*ESTIMATED	
	2912	6.0												
1329	2300	10.0				C9-67		2	2	40	LAKE, PROD (M)			
	2530	10.0						3	3	50				
WHITTINGTON W, FRANKLIN														
*1312	2675	10.0	13.0	13	38.0	C2-61	C5-67	6	9	400	PENN SD, PROD (B)		*INJECTION SUSPENDED 6-66	
WILBERTON, FAYETTE														
1246	3250	25.0				10-65		12	38	1000	BENCIST, PROD (M)		*INCL PRIM PROD SINCE 10-65	
													*ESTIMATED	
WILLIAMS C, JEFFERSON														
2019	2555	11.0	17.6	50	37.0	10-64		5	6	119	PENN SD, PROD (B)		*PARTIAL WF SINCE 1-53	
													DATA SINCE 10-64	
WILLOW HILL E, JASPER														
1906	2634	9.0	15.0	24		06-57		1	1	70	PRODUCED (B)		*SUR-SURFACE INJ BEFORE 1965	
*1907	2615	10.0				06-52	12-54	1	1	20	PRODUCED (B)		*DUMP FLOOD, NO DATA	
WCBORN C, REARD														
* 4	1006	14.0				09-51	08-56	1	4	30	PROD (B)			

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	General information				Production and injection statistics (M bbls)						
	Project No. * = ABD + = P.M.	Operator	Project U = Unit	Pay name	Location S - T - R	Water injection		Oil production		Water production	
						Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67	Total 1967	Cum. 12-31-67
WOODLAWN, JEFFERSON											
2024 MOBIL OIL CORP.	KAMINSKI ESTATE	BENOIST	2-35-1E	84	143	41.4	165	82	274		
*2023 TEXACO, INC.	WALKER 7	CYPRESS	2-35-1E		255		5		177		
		BENOIST									
YORK, CLARK, CUMBERLAND											
* 706 C. KEYSER	CUMBERLAND UNIT	SIGGINS	1-94-10E		37		0		3		
* 703 TRANS-SOUTHERN	YORK	CASEY	6-2N-11E		504		20		290		
ZEIGLER, FRANKLIN											
1320 V. R. CALLAGHER	PLUMFIELD UNIT	AUX VASES	13,24,25-7S-1E; 18-7S-2E	466	1337	275.5	1136*	42	130*		
ZENITH N, WAYNE											
4137 MOBIL OIL CORP.	ZENITH N. FIELD UNIT	SPAR MTN	21-2N-6E	20	501	1.9	58	20	206		
ZENITH E, WAYNE											
4090 NAPCO	DURKEE	SPAR MTN	4-1N-6E	50	50	4.7	10	33	75		

TABLE 11 - WATERFLOOD OPERATIONS IN ILLINOIS, 1967 - Continued

Field, County	Reservoir statistics (avg. value)					Development as of 12-31-67				Injection water				Remarks
	Depth (ft)	Net pay thick- ness (ft)	Poros- ity (%)	Perme- ability (md)	Oil grav- ity (°API)	Date first inj.	Date abd.	No. of wells		Acres under inj.	Source		Type	
								Inj.	Prod.		PROD = Produced	SH = Shallow		
Proj. No.														
WCDLAWN, JEFFERSON														
2024	1950	17.0				01-65		1	3	40	PRODUCED (B)			
*2023	1790	10.0	14.C	225	35.9	03-64	12-65	1	2	40	PRODUCED (B)			*DISC AS WF, SWD ONLY
	1950	27.0												
YORK, CLARK, CUMBERLAND														
* 706	556	11.0	17.8	80	23.3	06-61	12-63	1	2	30	PENN SD (B)			
* 703	590	10.0	21.9	231	20.3	10-50	12-58	3	7	15	PRODUCED (B)			
ZEIGLER, FRANKLIN														
1320	2650	15.0	21.5	75	38.9	02-55		6	19	300	PENN SD, PROD (B)			*SINCE POOL DISCOVERY, 7-12-63
ZENITH N, WAYNE														
4137	3100	12.9	15.5		28.0	03-59		2	3	140	CYP, PROD (B)			
ZENITH E, WAYNE														
4090	3180	8.0				02-67		1	3	20	PRODUCED (B)			

TABLE 12 — ILLINOIS WATERFLOODS FOR 1967 BY COUNTIES

County	Number of projects (including no. abandoned)	Wells		Acres in waterflood projects*		Water injection (M bbls)		Oil production (M bbls)		Water production (M bbls)	
		Water input	Producers	Subject to injection	Total productive	Total 1967	Cumulative 12-31-67**	Total 1967	Cumulative 12-31-67**	Total 1967	Cumulative 12-31-67†
Bond	1 (3)	13	22	230	230	25	1,383	1.2	114	8	476
Christian	5	32	67	1,368	2,398	2,529	22,570	231.5	3,955	1,043	8,789
Clark	13 (13)	472	458	3,500	4,428	7,295	151,882	171.8	6,275	3,070	49,405
Clay	45 (18)	367	511	14,923	16,828	16,651	131,568	2,823.4	15,576	8,949	64,248
Clinton	12 (4)†	227	318	6,339	6,405	9,808	94,329	381.1	13,973	8,649	84,743
Coles	17 (5)	193	225	5,270	5,425	3,380	37,980	353.0	3,968	1,952	16,394
Crawford	81 (24)	1,801	2,018	19,819	25,181	46,241	685,174	2,777.9	42,953	31,970	302,679
Cumberland	3 (3)	566	586	2,657	2,728	3,784	104,607	254.2	14,759	587	21,150
Douglas	3	32	90	1,436	1,436	686	9,815	31.1	850	—	—
Edwards	23 (9)†	125	223	5,833	6,142	5,745	60,555	420.2	9,562	3,308	31,643
Effingham	9 (2)	75	137	2,605	3,083	1,745	15,173	413.1	2,032	1,088	5,822
Fayette	47 (3)††	1,585	1,824	39,379	40,094	59,398	871,528	6,960.1	148,877	43,298	496,255
Franklin	23 (7)	229	317	8,343	9,338	10,869	218,244	1,373.4	25,816	7,685	149,421
Gallatin	30 (11)†	341	442	8,507	9,826	7,495	101,984	616.0	15,893	2,603	25,725
Hamilton	49 (16)	643	784	24,317	24,317	41,486	239,752	4,136.4	23,138	25,775	113,542
Jasper	15 (8)	109	195	7,277	7,780	5,035	22,733	528.6	2,690	2,414	8,904
Jefferson	16 (7)†	123	259	10,335	10,668	9,399	127,625	836.3	24,083	7,422	82,909
Lawrence	98 (14)	1,961	2,008	25,003	26,695	55,134	511,543	5,706.8	66,037	38,826	295,984
Macon	0 (1)	1	2	80	80	—	6	—	—	—	4
Macoupin	1	2	7	40	40	—	16	—	1	—	2
Madison	6 (1)	36	50	1,322	1,420	1,374	4,950	115.8	474	684	2,221
Marion	27 (6)	758	582	30,987	31,537	91,159	1,075,558	4,049.9	97,459	75,929	615,582
Montgomery	0 (1)	2	2	20	40	—	38	—	6	—	15
Perry	2	5	9	240	320	232	1,743	7.0	89	190	1,100
Richland	21 (16)	185	258	10,873	11,095	9,803	130,223	525.1	11,206	6,837	92,768
Saline	13 (6)	81	119	2,255	3,120	6,374	32,217	958.2	3,289	2,398	6,433
Shelby	2	6	23	270	280	211	1,608	15.3	107	122	391
Wabash	100 (35)	630	789	15,184	17,369	20,257	199,723	2,029.7	32,538	9,353	68,030
Washington	11 (1)	66	123	1,631	1,851	2,899	27,425	232.0	5,043	2,469	26,763
Wayne	85 (27)	825	1,064	46,684	52,453	39,735	342,659	3,767.9	35,172	19,805	152,461
White	141 (50)	1,397	1,906	41,254	48,403	53,814	520,727	4,186.0	60,275	27,422	233,752
Williamson	1	5	9	140	140	245	245	29.4	29	0	0

*Acreage data are incomplete in a few counties.

**Projects not reporting in 1967 are included as of last reporting date.

†Not all projects reported produced water.

‡Includes 1 active pressure maintenance project.

††Includes 1 abandoned pressure maintenance project.

TABLE 13 — ILLINOIS OIL POOLS HAVING ACTIVE WATERFLOODS DURING 1967

Field	Number of Projects	Wells		Acres		Water injection (M bbls)		Waterflood oil (M bbls)		Water production (M bbls)	
		Water Input	Producers	Subject to injection	Total productive	Total 1967	Cumulative 12-31-67*	Total 1967	Cumulative 12-31-67**	Total 1967	Cumulative 12-31-67†
Aden C	3(2)†	71	90	3,380	4,860	2,224	29,074	510.4	3,127	2,862	15,415
Aden S	1	10	22	380	560	434	1,858	29.4	149	—	—
Alkin	4(1)	11	29	510	510	245	2,355	73.3	224	112	285
Albion C	15(5)	103	173	3,987	4,287	5,014	60,437	326.1	9,180	3,003	31,070
Albion E	1	2	8	132	132	375	793	13.9	37	140	316
Allendale	28(9)	149	199	3,003	3,776	6,728	65,350	311.8	5,236	2,581	18,931
Assumption	4	31	51	1,338	1,718	2,481	21,770	219.0	3,876	995	8,357
Barnhill	3(4)	37	55	900	1,050	371	14,958	49.5	1,890	264	2,658
Bartelso	1(2)	22	27	320	320	110	5,544	5.0	1,099	110	3,549
Beaucoup	1	7	11	307	307	593	3,958	25.1	258	544	3,272
Beaucoup S	1	1	1	27	27	5	91	.9	32	5	92
Beaver Creek S	1	3	11	140	140	152	991	15.8	176	196	1,158
Bellair	2(1)	106	130	717	747	1,223	89,567	33.0	2,460	1,305	37,023
Benton	2	103	86	3,390	3,390	6,507	185,380	429.1	19,942	6,096	138,741
Benton N	2	26	39	810	900	1,038	1,585	256.8	331	325	423
Bone Gap C	1(1)	2	13	160	270	249	1,758	14.5	493	170	1,580
Bourbon C	1	18	30	800	800	0	6,000	500	500	0	0
Boyd	2	11	22	2,133	2,133	1,872	69,196	43.2	4,154	1,866	43,513
Brown	1	1	3	40	40	51	218	3.2	21	26	188
Browns	5	16	29	973	1,002	63	3,683	29.1	411	21	681
Browns E	1(2)	31	31	534	647	0	4,159	.0	1,494	0	1,390
Bungay	7(1)	48	55	1,742	2,053	2,492	20,686	196.3	1,822	1,642	9,290
Calhoun E	1	2	2	80	80	0	47	.0	1	0	4
Calhoun S	1	1	9	20	200	27	37	33.0	52	27	37
Carlyle	1	1	7	80	100	48	384	1.5	28	0	0
Carmi	1	1	2	60	60	8	85	11.7	16	8	18
Casey	2(2)	101	93	470	445	210	10,981	3.1	525	0	70
Centerville	1	1	1	20	20	47	240	1.4	3	9	17
Centerville E	4(2)	101	106	2,245	2,180	3,207	23,313	239.3	2,815	2,893	13,491
Central City	1	1	6	60	60	7	22	3.0	8	0	15
Centralia	5(1)	160	214	4,599	4,579	8,694	71,339	268.1	10,309	7,752	70,259
Chesterville E	1	12	8	360	360	686	3,754	30.1	349	0	0
Clay City C	87(22)	785	1,027	42,365	45,405	38,342	311,223	3,707.6	31,716	18,292	166,576
Coil	1	4	4	80	100	186	275	51.9	55	17	19
Concord C	8(5)	47	72	1,383	1,590	1,697	19,591	59.8	2,125	1,470	9,884
Cooks Mills C	6	26	49	990	1,140	591	8,194	26.7	440	228	4,354
Corde	2	42	67	790	790	1,574	20,994	122.0	4,456	1,625	22,098
Crossville W	1	4	10	250	300	360	1,024	20.6	39	76	172
Dale C	36(14)	521	681	19,925	21,570	35,750	188,113	3,688.9	17,721	20,653	88,890
Deering City	1	1	4	50	50	0	95	.0	56	0	95
Divide C	2(1)	17	65	2,550	2,550	2,660	9,630	167.0	4,596	1,844	5,449
Dubois C	2(1)	4	14	160	280	11	177	1.8	51	11	147
Edinburg W	1	1	16	30	680	48	800	12.5	79	48	432
Eldorado C	6(1)	39	65	1,215	1,610	5,011	22,824	795.4	1,942	1,993	3,827
Elliotstown N	1	1	8	100	100	101	101	28.1	28	10	10
Enfield	2(1)	6	5	380	549	119	3,778	3.7	551	119	1,623
Exchange E	1	2	5	140	140	68	118	14.7	21	28	37
Exchange W	1	1	6	60	100	52	57	24.3	49	24	33
Fairman	1	1	4	50	50	1,378	1,378	1.2	246	50	1,378
Friendsville N	3	6	9	126	190	40	795	13.8	229	8	311
Germentown E	1	2	13	300	300	170	2,713	31.9	1,057	170	2,763
Gila	1	4	17	437	620	2,444	2,444	44.0	300	300	1,400
Goldengate C	8(8)	113	124	3,859	4,700	2,046	21,660	164.4	2,167	751	7,322
Half Moon	2	15	27	1,070	1,560	1,142	6,652	20.6	382	342	2,086
Harco	2	3	5	80	130	164	502	7.7	48	2	10

TABLE 13 - Continued

Field	Number of projects	Wells		Acres in injection projects*		Water injection (M bbls)		Waterflood oil (M bbls)		Water production (M bbls)	
		Water input	Producers	Subject to injection	Total productive	Total 1967	Cumulative 12-31-67*	Total 1967	Cumulative 12-31-67**	Total 1967	Cumulative 12-31-67†
Harrisburg	1	3	5	80	80	157	1,430	2.4	14	18	125
Herald C	15(4)	90	116	2,761	2,761	2,812	20,437	316.9	3,121	1,384	6,320
Hickory Hill	1	1	1	20	20	15	37	3.3	12	15	56
Hord	1	1	2	20	40	17	44	1.1	2	3	30
Hord SC	2	9	14	540	550	985	8,162	34.3	762	882	5,294
Ina	1	7	6	260	260	391	3,038	18.1	224	365	2,150
Inman EC	7(3)	199	236	4,330	4,465	3,827	61,488	204.5	9,201	1,471	12,432
Inman WC	11(3)	88	105	1,989	2,405	1,838	9,051	200.0	942	331	1,686
Iola C	7(1)	90	120	2,620	2,790	2,234	20,297	71.2	1,638	1,516	14,618
Irvington	3	5	18	230	350	266	1,596	40.6	205	233	1,008
Iuka	1	3	6	270	270	0	0	6.3	41	27	221
Johnson N	2(4)	136	140	764	1,045	2,330	28,118	70.0	2,197	1,750	15,583
Johnson S	4	97	104	1,343	1,343	3,989	102,337	49.6	3,050	820	31,841
Johnsonville C	8	137	147	11,800	11,910	11,224	94,101	516.1	9,125	6,785	53,322
Johnsonville S	1	11	11	480	480	519	2,384	20.9	197	250	638
Johnsonville W	2	7	9	320	380	647	3,005	71.3	461	345	869
Johnston City E	1	5	9	140	140	245	245	29.4	29	0	0
Junction	1	5	6	110	140	0	2,357	0	303	0	0
Keensburg S	2(1)	10	16	280	310	486	1,532	45.8	235	280	712
Kenner	3(1)	30	57	1,360	1,645	272	26,187	19.9	1,029	249	7,735
King	4	7	17	360	360	338	2,305	47.8	241	257	865
Lancaster	2	23	36	540	590	645	3,533	193.8	1,025	17	111
Lancaster S	1	2	2	40	40	36	349	1.6	80	1	81
Lawrence	89(14)	1,913	1,947	24,098	25,535	53,486	503,094	5,487.8	65,126	37,907	291,805
Lillyville	1	1	3	40	80	29	619	2.6	55	9	27
Livingston	2(1)	13	18	320	320	0	208	0	31	0	0
Livingston S	1	5	7	150	150	77	341	9.0	38	1	2
Locust Grove	1	1	1	20	20	37	49	0.7	1	0	0
Louden	42(2)	1,553	1,725	37,421	37,706	57,114	863,869	6,718.5	147,920	41,669	490,178
McKinley	1	2	2	20	20	30	125	0.2	0	30	125
Main C	79(30)	1,695	1,888	19,102	24,434	45,018	595,607	2,744.9	40,493	30,665	265,656
Maple Grove C	1(2)	8	17	530	530	0	1,411	0	359	0	881
Markham City W	1	1	2	270	270	0	50	0	1	0	0
Martinsville	1(3)	64	52	313	700	0	5,866	0	123	0	49
Mason N	1	5	5	130	130	67	2,017	6.7	132	71	1,221
Mattoon	11(4)	135	155	4,130	4,135	2,654	29,184	307.3	3,421	1,602	11,642
Mattoon N	1	4	9	130	130	135	458	19.0	95	323	323
Maunie NC	4(2)	48	63	1,215	2,180	1,560	7,176	71.0	1,768	441	3,273
Maunie SC	3(3)	48	59	1,202	1,208	397	21,535	39.2	2,842	82	15,012
Miletus	1	1	1	20	20	6	42	1.0	1	6	37
Mill Shoals	9(2)	51	71	2,042	2,323	3,333	18,051	220.7	1,489	1,785	7,795
Mt. Carmel	24(8)	100	158	3,113	3,533	2,985	26,942	362.0	3,382	1,586	11,745
New Harmony C	85(22)	810	1,049	21,595	22,659	27,626	275,975	3,140.0	48,398	13,856	103,808
New Haven C	5	21	31	798	1,050	378	2,832	45.2	878	68	391
Oakdale N	1	4	7	290	290	120	450	50.2	161	85	235
Oak Point	1(1)	22	18	300	340	742	815	48.4	55	500	581
Old Ripley	1	10	11	110	110	25	995	1.2	76	8	225
Olney C	5(3)	25	36	2,148	2,328	713	14,795	50.8	1,343	625	8,334
Omaha	3(1)	8	44	613	950	827	6,041	84.2	3,134	410	4,014
Orchardville	1	1	3	40	40	25	89	9.8	26	0	0
Oskaloosa	3	19	17	596	596	469	9,234	16.9	1,301	239	3,443
Parkersburg C	2(3)	12	24	716	726	75	6,380	4.5	340	75	2,408
Passport	3	9	14	525	605	1,260	9,389	101.8	706	684	5,594
Patoka	4	78	75	1,553	1,553	1,824	25,123	61.5	8,535	1,383	56,448
Patoka E	2	9	17	270	440	940	1,923	64.9	195	615	1,536

TABLE 13 — Continued

Field	Number of projects	Wells		Acres		Water injection (M bbls)		Waterflood oil (M bbls)		Water production (M bbls)	
		Water input	Producers	Subject to injection	Total productive	Total 1967	Cumulative 12-31-67*	Total 1967	Cumulative 12-31-67**	Total 1967	Cumulative 12-31-67†
Patoka S	2	33	38	720	740	1,873	5,163	216.1	815	628	1,820
Phillipstown C	18(9)	89	215	2,805	3,536	1,553	19,638	309.3	3,815	749	9,262
Phillipstown S	1	2	3	60	60	60	309	8.2	127	0	0
Raccoon Lake	1(2)	10	11	370	370	373	2,834	4.0	205	428	3,289
Raleigh	2(1)	21	17	400	600	462	4,264	93.5	1,053	181	1,355
Raleigh S	3	7	10	220	400	580	2,406	59.2	164	204	926
Richview	1	5	10	97	97	420	484	41.4	41	21	21
Roaches N	1	2	13	460	206	206	1,841	.0	30	166	1,608
Rochester	4	23	25	416	416	1,884	12,071	91.9	1,243	780	3,025
Roland C	16(3)	191	251	7,534	10,537	6,827	79,804	424.1	8,433	1,745	32,984
Ruark	1	1	5	56	100	74	211	14.3	84	1,317	1,069
Ruark W	1	19	17	279	370	766	1,901	130.6	259	428	649
Rural Hill N	1	3	2	140	140	36	1,503	3.5	207	36	508
St. Francisville	1(2)	4	7	140	140	0	197	.0	1	0	0
St. Francisville E	1	5	7	160	200	98	2,916	17.9	196	46	1,037
St. Jacob	3	18	25	852	950	1,297	4,401	106.8	405	683	2,219
St. James	5(1)	24	73	1,158	1,408	1,277	5,801	194.2	861	1,479	4,971
Ste. Marie	2(1)	4	22	620	620	60	2,020	6.0	211	2	125
Sailor Springs C	20(14)	161	235	6,215	7,203	8,876	44,409	2,479.0	7,811	3,993	19,306
Salem C	9(1)	615	433	29,822	30,057	88,141	1,057,327	4,073.5	99,414	73,900	568,550
Sesser C	3	21	40	960	1,140	922	4,521	148.1	1,102	462	1,254
Shattuc	1	5	10	150	150	76	384	9.0	77	0	0
Siggins	4(1)	591	601	2,707	2,838	3,755	106,234	251.6	14,969	578	22,103
Staunton W	1	2	7	40	40	1	16	.0	1	0	2
Stewardson	2	6	23	270	280	211	1,608	15.3	107	122	391
Storms C	10(3)	135	130	2,805	3,130	12,019	115,355	382.2	3,517	7,145	62,805
Sumpter E	1	2	5	70	70	110	419	22.8	212	45	233
Sumpter N	1	5	7	180	378	204	351	13.2	18	48	55
Sumpter S	2	9	7	170	190	173	1,070	23.9	100	78	323
Tamaroa S	2	5	9	240	320	232	1,743	7.0	89	190	1,100
Thackeray	1	15	16	420	420	1,526	6,090	181.7	664	1,143	2,424
Thompsonville E	1	2	3	60	117	122	2,040	3.5	136	137	1,287
Tonti	3(1)	15	21	410	610	1,244	5,566	33.5	269	1,492	5,764
Trumbull C	4	8	12	270	400	382	1,857	45.3	210	76	240
Valier	1	1	4	70	70	25	52	12.3	28	25	52
Walpole	3(1)	46	43	2,040	2,100	2,320	22,984	149.6	2,706	2,465	11,769
Wamac	1(1)	12	28	170	230	0	535	.0	42	0	232
Wamac W	2	8	15	230	230	508	2,362	48.6	300	371	1,268
West Frankfort	4(2)	17	21	531	741	358	7,564	50.1	1,105	214	4,427
West Seminary	1	19	13	470	470	737	4,195	26.2	364	671	2,254
Westfield	1(3)	47	32	130	250	24	893	.7	49	0	81
Whittington	2	6	8	170	170	61	401	7.9	29	14	17
Whittington W	1	6	9	400	400	53	3,375	3.7	363	53	1,137
Wilberton	1	12	38	1,000	1,180	1,061	2,199	61.6	1,167	167	1,167
Williams C	1	5	6	119	172	293	918	9.2	487	114	514
Willow Hill E	1(1)	2	2	90	90	1	6	.3	15	1	135
Woodlawn	1(1)	2	5	80	120	84	398	41.4	170	82	451
Zeigler	1	6	19	380	380	466	1,337	276.5	1,136	92	130
Zenith N	1	2	3	140	140	20	501	1.9	58	20	206
Zenith E	1	1	3	20	250	50	50	9.7	10	33	75

*Acreage data are incomplete in a few counties.

**Projects not reporting in 1967 are included as of last reporting date.

†Not all projects reported produced water.

‡Number of abandoned projects included.

TABLE 14 -- SUMMARY OF WATERFLOOD STATISTICS 1949 - 1967

Year	No. of active projects	Water Injection (M bbls)		Reported waterflood oil production (M bbls)		Estimated dump flood production (M bbls)		Total oil prod. (M bbls)	Waterflood prod. % of total prod.**	No. wells in flood projects		Productive acreage		% of total acreage under flood	Cumulative waterflood oil recovery acre sub-jected to injection	Cumulative injected water/ cumulative produced oil
		Annual	Cumulative*	Annual	Cumulative*	Annual	Cumulative*			Inj.	Prod.	Subjected to inj.	Total			
1949	33	20,612	50,983	2,511	10,313	1,500	5,000	64,501	6.2	946	1,055	8,450	375,985	2.2	1,230	4.9
1950	63	44,053	99,040	3,107	13,826	1,500	6,500	62,028	7.4	1,097	1,197	14,123	397,685	3.6	979	7.2
1951	84	57,147	148,279	6,672	21,890	1,500	8,000	60,244	13.4	1,620	5,230	17,646	412,050	4.3	1,241	6.8
1952	131	72,951	221,078	8,752	29,000	2,000	12,000	60,071	17.9	2,160	5,114	31,330	425,025	7.4	926	7.6
1953	167	118,409	335,727	10,086	39,800	2,250	14,600	59,025	20.9	2,849	5,298	37,854	434,100	8.7	1,051	8.4
1954	232	176,012	512,202	15,985	55,687	2,129	17,900	67,000	27.0	3,597	6,686	59,027	500,130	11.8	943	9.2
1955	284	224,579	745,573	24,585	81,131	1,978	19,800	81,131	32.7	4,407	7,163	72,832	521,200	14.0	1,114	9.2
1956	333	271,270	1,014,900	29,600	111,700	1,700	21,500	82,314	38.0	5,307	7,687	92,350	539,315	17.1	1,210	9.1
1957	382	295,750	1,310,000	35,442	147,142	1,750	23,250	76,649	48.5	5,734	7,814	112,000	550,305	20.4	1,316	8.9
1958	443	317,153	1,606,500	40,833	187,338	2,040	25,290	80,779	53.1	6,647	8,567	122,500	562,535	21.8	1,529	8.6
1959	499	345,098	1,954,200	41,360	238,512	2,436	27,720	76,727	57.1	7,327	9,306	136,976	574,625	23.8	1,741	8.1
1960	559	376,563	2,324,200	44,789	283,862	1,750	29,470	77,341	60.2	8,062	9,855	152,823	585,045	26.1	1,857	8.2
1961	658	390,093	2,753,361	50,412	334,716	1,270	30,740	77,478	66.7	8,560	10,521	171,825	602,665	28.5	1,948	8.2
1962	717	467,318	3,144,893	49,078	379,977	1,245	31,985	78,796	63.9	8,875	10,660	186,785	612,995	30.5	2,034	8.2
1963	779	438,191	3,631,514	50,092	471,345	902	32,887	74,796	66.9	9,048	11,690	194,900	621,735	31.4	2,616	7.7
1964	848	467,691	4,099,133	47,977	520,886	660	33,547	70,168	69.3	9,731	11,497†	240,163†	629,055	45.4	1,825†	8.7
1965	938	479,347	4,526,211	43,729	531,102	500	34,047	63,708	69.4	10,091	13,651†	292,928†	635,455	46.2	1,810†	8.5
1966	929	505,583	5,281,790	43,319	612,692	200	34,247	61,982	68.3	11,194	13,912†	307,200†	641,165	47.9	1,980†	8.6
1967	896	512,808	5,745,583	43,496	666,239	None	34,247	60,115	71.6	12,893	15,427	338,100	724,600	46.7	1,970	8.6

*Current oil plus previous cumulative does not equal current cumulative because of yearly revisions.
**Waterflood oil includes estimated dump flood production. All other figures exclude dump flood production.
†Includes abandoned acreage with waterfloods and pressure maintenance.
‡Revised.

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